

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1903 by The National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., JANUARY, 1908.

No. 1.

THE EVOLUTION OF A GREAT ENTERPRISE WHERE HARDY TREES ARE GROWN FOR THE MILLIONS OF THE VAST NORTH WEST.

STORY OF THE JEWELL NURSERIES OF LAKE CITY, MINNESOTA.

THERE was a time, and that not very long ago, when Minnesota was considered either on the extreme edge or entirely outside of the fruit zone. By the use of the latter term we mean, strictly speaking, the commercial fruit producing belt. With the exception of wild plums and small fruits, this and other neighboring states gave little promise of producing fruit enough for its own scanty population. As time went on, however, and the tide of immigration grew stronger, the settlers from the East brought seeds of their own fruits and their personal ideas of fruit production with them, and many of them endeavored to grow the former and systematically to put the latter into effect. The attempted acclimatization of the old standard varieties of apple and the introduction of the Russians is now a matter of history. Thousands of dollars have been spent by the settlers of the Northwest in the past quarter century along this line, and to-day, as a result, Minnesota, while she does not usually appear in the published reports of the apple crop, is at least supplying a very material quantity of the apples consumed by her people. With her Horticultural Society having a membership of over 2,000, it is safe to say she stands near the head, if not in

the lead, of other states in horticultural enthusiasm. The very obstacles which seemed insurmountable twenty-five years ago have had the effect of stimulating a proportionately greater effort on the part of the people.

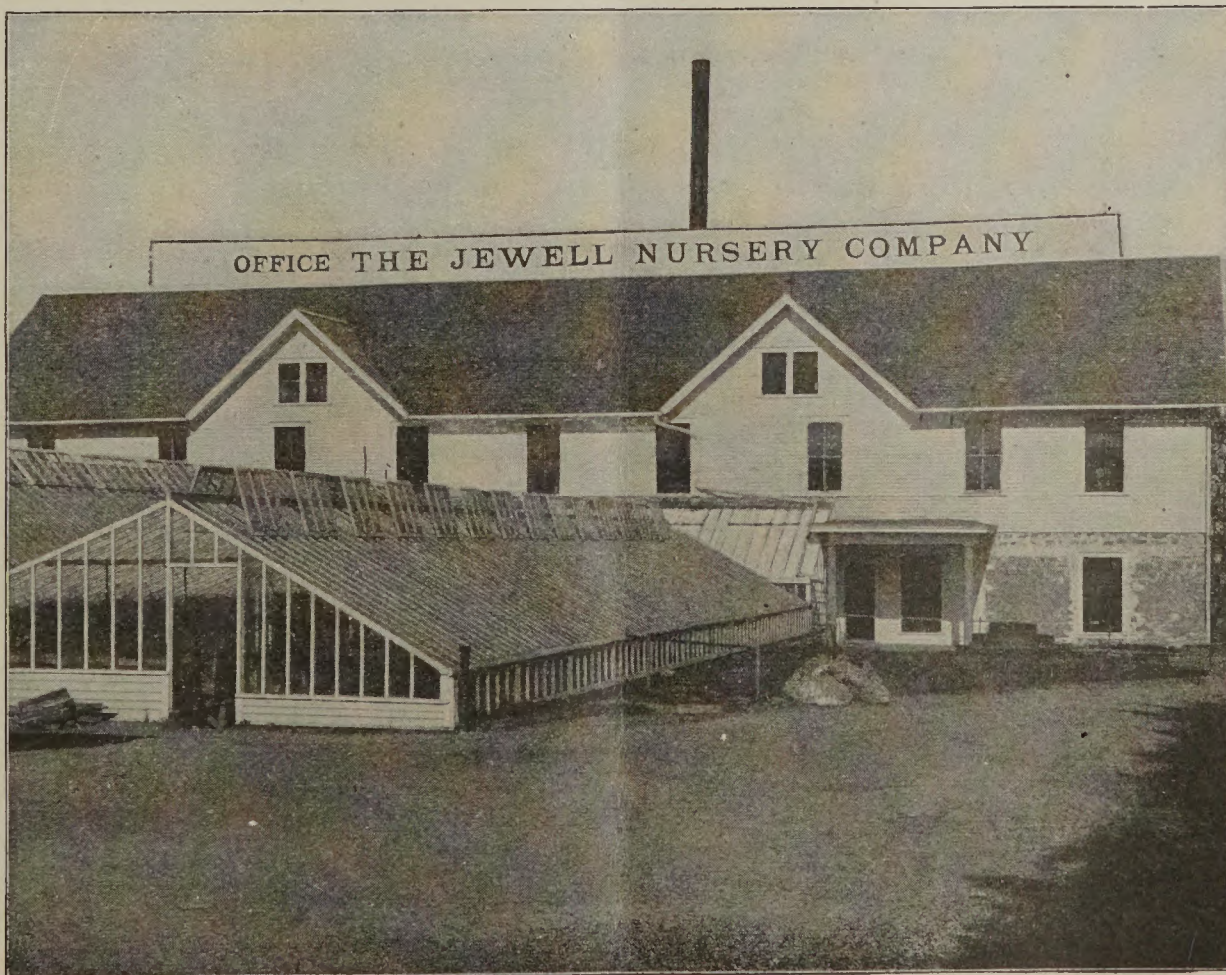
To-day, not only fruit production is a question, but the ornamentation of grounds, public and private, is assuming enormous proportions, as it is in all other parts of the country, and the Northwest is practically forced to select and propagate varieties of shrubs and plants that will withstand the rigors of the northern climate.

PIONEERS IN NURSERY WORK.

Among the first horticultural pioneers to cross the boundaries of Minnesota was Dr. P. A. Jewell. A veteran of the Civil War, having served in the Washington hos-

pitals, he came North to endeavor to recover his broken health. Having been long interested in horticulture, he determined to engage in the profession of a nurseryman, and essayed to preach horticulture and grow trees for the sparse settlements of the Minnesota and Dakota prairies.

In 1867 he made his first planting at Winona, Minnesota, but the following year he ventured farther up the river and, being struck with the beauty of



The Jewell Nurseries. Office building, showing two of their propagating houses.

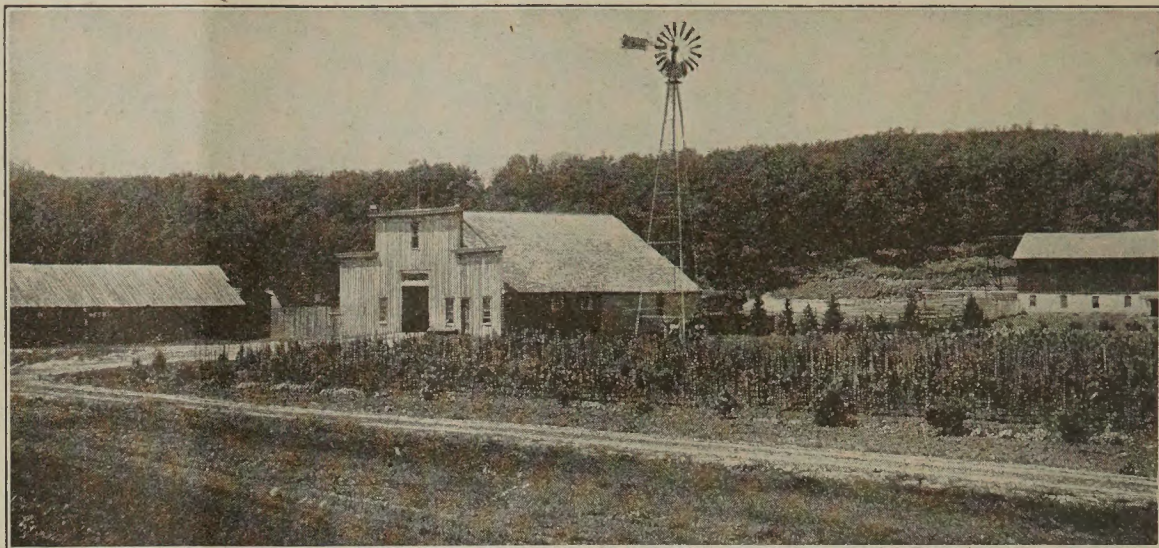
the Lake Pepin Valley, determined that here should be the spot for him to locate permanently. His choice was good, as a better site for a nursery could not be found. The successive stages of water in the Mississippi Valley, as it has slowly receded to its present bed, left the land at this point in several successive benches, which afford soil of varying quality, whereby different classes of stock find proper conditions for their growth.

In this initial venture he associated with him his brother-in-law, Mr. J. M. Underwood, who is now president of the company which conducts the business, thus making it a continuous management from the beginning. Both Dr. Jewell and Mr. Underwood have been associated with the State Horticultural Society from the first, Mr. Underwood having served as its president six years. The Jewell Nurseries were originally established upon ten acres of ground, and on this ten acres the concern is now planting a "study garden," in which specimens of all the native and other hardy ornamental shrubs and plants are to be grown for the purpose of study by the hundreds of visitors who annually seek their grounds for horticultural information.

TWELVE HUNDRED AND FIFTY ACRES.

The Jewell Nurseries now occupy about 1,250 acres. Of this, fifty acres is rough creek and bluff land, impossible of cultivation. About 300 acres are employed in producing corn and hay for their

forty head of horses and mules, and the balance is employed in nursery propagation. It is probably not generally known even among nurserymen that such a large plantation of nursery stock exists in the extreme North. Since the American Association met in Minneapolis a good many years ago, the nurserymen, as a body, have not been very near this section of the country and, as a result, have not appreciated that what was then a small nursery is, like the coun-



The Jewell Nurseries. View of the stables, with field of tree roses in the fore ground. This nursery is now using mules to a considerable extent. They work about forty head all told.

try in which it operates, assuming large proportions.

In connection with the propagation department, this nursery has a well equipped greenhouse plant, which they employ exclusively for the purpose of starting rose plants and other ornamental stock. Originally built for cut flower trade, they found that the growing demand for different varieties of nursery stock, which required starting in the

greenhouse, made it necessary to use their glass entirely for that purpose.

INCORPORATION: PRESENT MANAGEMENT.

In 1884 The Jewell Nursery was incorporated, with J. M. Underwood as president, S. M. Emery as vice-president and J. Cole Doughty as secretary. Both Mr.

Emery and Mr. Doughty

are known to many of the older members of the Association. Mr. Emery served as its president in the 90's. Both of these gentlemen severed their connection with The Jewell Nursery Company ten years ago, the entire business then passing into the hands of Mr. Underwood. In 1899 the business was again reorganized, with the following officers: J. M. Underwood, president; E. A. Smith, vice-president; R. D. Underwood, secretary; A. B. Underwood, treasurer.

SOME FRUIT SPECIALTIES.

This nursery has long given the improved native plum special attention, and for the reason that it seems by nature particularly fitted to this climate. Being in the center of a region where it grows wild to perfection, they have followed up all the latest discoveries and improvements in this line. Small fruits, of course, are a particularly important branch of nursery propagation in the North, as the raspberry, strawberry, currant and gooseberry are especially adapted to that section.



The Jewell Nurseries. Digging and grading apple trees. In Minnesota they produce an 11-16 up tree in three years.



The Jewell Nurseries. Some of the working teams in line.

Ranking with the fruit list as a whole, The Jewell Nursery's propagation of deciduous seedlings for prairie planting is of equal importance. This was the first nursery to grow and offer in large quantity the yearling Golden Willow and Carolina Poplar stock as a substitute for the River Willow and Cottonwood seedlings which had been planted to such an enormous extent in the West.

While the business of The Jewell Nurseries has been primarily a retail one, owing to the increased cost of propagation in the North, they are still able to grow many things successfully for the trade, and issue regular semi-annual surplus lists each year.

SHIPMENTS, PAYROLL AND STORAGE EQUIPMENT.

Their shipments the past year approximated 400 carloads, the bulk of which was their regular L. C. L. retail shipments. Their average payroll in the nursery throughout the season is 150 men, to whom they paid over \$70,000 in wages last year. They have recently built a complete boarding house, accommodating seventy-five men, for the purpose of taking care of their transient help. This is located in the center of their nurseries, near the stables, blacksmith shop and implement houses. Last season they built a concrete storage cellar below ground, covering over one-half acre floor space, and put a concrete roof on their old storage cellar, which is about one-half this



The Jewell Nurseries. Overlooking the largest field of apple trees ever grown in Minnesota. Over a million one and two year olds in this block.



The Jewell Nurseries. Minnesota militia taking "a hike" thru the Jewell Nurseries.

size. In this manner they have an absolutely fireproof storage and ample room to handle their early shipments before the severe weather of late winter has subsided. The nursery is provided with modern office equipment, including a complete printing plant, a photographic outfit and a telephone system,

connecting all parts of the nursery and buildings.

TEN CARLOADS DAILY.

The C. M. & St. P. Railway, which borders the east side of The Jewell Nurseries, has built a spur track directly to their packing platform and storage with ample loading facilities for their retail business. Their records show an average number of ten cars loaded daily during the spring and fall packing seasons. Three large packing houses enable them to pack everything under cover, a necessary precaution in Minnesota, owing to frequent drops in temperature during the shipping seasons.

This nursery was selected by the State of Minnesota to erect the horticultural display at the Pan-American Exposition and also at the Louisiana Purchase Exposition. Their fruit also furnished a material part



The Jewell Nurseries. Forest seedlings grown in quantity. An important product in the western nurseries.

of the display at the Columbian Exposition in Chicago.

Mr. Underwood has long been known in this section as an enthusiastic orchardist, in common with his co-laborer, Dr. Jewell. Many of the Russian varieties planted by them in the early seventies are still living and bearing in the experimental orchards. Mr. Underwood has for many years advocated the use of the steep hillsides of the Mississippi Valley for apple growing, and has started two apple orchards upon these locations to demonstrate what can be done. One of these orchards has now been planted for ten years and has been sold to other parties. Another one of larger proportions was begun six years ago and contains



The Jewell Nurseries. In the experimental orchard, started by Dr. Jewell thirty-five years ago.

now over 2,000 trees. This steep hillside, too abrupt for grain crops, seems to afford particularly well adapted conditions both as to soil and exposure for apple growing. Last year they marketed 4,000 bushels of choice fruit at a large profit.

INTRODUCERS OF NEW FRUITS.

The Jewell Nurseries have directly been the means of introducing meritorious varieties for the North. Important among these is the Okabena apple, which was introduced by them about 1880. The Okabena is a seedling of the Duchess, fertilized by the Wealthy and



The Jewell Nurseries. A young, experimental apple orchard. Utilizing steep hillside land.

originated in southwestern Minnesota, near Lake Okabena. Although early impressed with its good qualities, it was not advertised heavily by them until about fifteen years later, when those who had first planted it began to bring samples of the fruit to various fairs and horticultural meetings. It was then found that a variety of superior merit, by actual test, had been discovered. The Minnesota Horticultural

Society began by putting it on their list of varieties recommended for trial and last year gave it the highest form of recognition within its power by putting it in the class of the hardiest and best commercial varieties for Minnesota.

In 1885 The Jewell Nurseries discovered a seedling orchard owned by the late J. S. B. Thompson in northern Iowa. Control of the entire orchard was secured and a number of the best varieties propagated. After a due season of test in their own experimental orchard and those of others in the North, they selected half a dozen from the trees collected as being of sufficient value to propagate and recommend to their trade. At the head of this list stands Thompson's No. 24, which has been re-named Jewell's Winter, and this variety is in many respects repeating the history of the Okabena.

Among small fruits, The Jewell Nursery is known as the introducers of the North Star currant, which they secured and first offered to the trade in 1886. The policy of this nursery of late years has not been to seek control of new varieties, but rather to wait until they have made themselves a name and then to propagate them extensively when the restrictions of the originators have been removed. They have, however, offered a prize of \$1,000 for a new plum and \$1,000 for a cherry which shall combine quality with hardiness suitable for northern culture. They have been assured by leading experimenters that it is not at all impossible that such varieties may be secured. The plum, as an edible fruit, is indigenous to all parts of the Northwestern States, and the success experienced so far in the hybridization of the cultivated cherry with *Prunus pumilla* var. *Besseyi*, points to the probability of securing a cherry that will live and fruit successfully in Minnesota and bordering states.

Here we have, in brief, the story of the struggles and successes of a nursery company whose name will always be associated with the substantial upbuilding of a pomology adapted to the somewhat trying conditions of the Northwest Prairie States.

BEARING PECAN TREE NEAR NIAGARA FALLS. WHO KNOWS?

Editor National Nurseryman:—

Some months since one of our correspondents reported the rumor of a bearing pecan tree near Niagara Falls, probably on the Canadian side. Thus far I have been unable to obtain definite information regarding this tree. It has been suggested, that the tree has fallen a victim to some modern improvement and passed out of notice. If such a tree is in existence or has been, and bore the crop of nuts reputed, it is of importance to the industry in furnishing possible information for moving the supposed northern limit of the production of this nut.

I will be glad if you can bring this matter to the attention of the readers of *The National Nurseryman*, asking any one knowing anything about the tree to report it to you or to the Nut Grower.

Thanking you in advance for your assistance, I am,
Poulan, Ga. J. F. Wilson.

REVIEW OF THE SEASON CONTINUED BY PROMINENT NURSERYMEN OF THE COUNTRY.

VIRGINIA.

PRACTICAL EXPERIENCE FROM A VIRGINIA NURSERYMAN.

Dear Sir:—

We cannot tell at this date how the business of 1907 will turn out, as our business has been mostly through agents. We have had a larger sale than usual, but as we had a bad season in budding (1906) we have been short of more stock than usual. Stock we have bought has been generally very satisfactory with a few exceptions; but some varieties we have been unable to secure. In apples we think some of the varieties we have bought are not correct as we have been growing them for a number of years. We sell mostly fruits and more apple than any other, though this season have sold much more of small fruits and ornamentals than usual. We think the time is coming when more ornamentals will be called for. The new or special varieties are only sold by the men who can push them.

DISEASES AND INSECTS.

We are not very much encouraged with our experimental work with insects. While we have spent a great deal of time trying remedies, do not know that we have had very much success. Our worst trouble is with the apple aphid and what is called crown gall. We have more aphid on buds than grafts. We think the cause is that we have to grow them one year longer, and that they breed about the season we are budding, and about the cuts made by budding. I do not think we can expect any remedy at reasonable cost. The past season I limed very heavy with slacked lime, also washed bodies with soap where we could see them, and one of the professors from Blacksburg put kerosene emulsions on two rows and we could not detect any difference. It may not have been used early enough, being applied early in July. In two-year apple, when we commenced to dig this fall I thought we were going to lose very heavy from the aphid. One block that had some very fine 2 year trees of Ben Davis, Wine Sap and York Imperial on one side of the block, the other side in about one-half of block the trees did not grow so well, the side where they grew well I think we lost about three-fifths of the Wine Sap, and the other half lost very few trees. We had another block that showed a great deal of aphid on the bodies the growing season and very few trees were affected on the roots when we dug them. Do not think we have had as much crown gall as usual this fall though did not count when dug.

GRAFTING.

We wrapped all Grafts with waxed cloth when they were grafted.

New Implements:—We bought a graft and stock planter and firmer for planting last spring. Did not use the

stock planter but very little, we have always been planting by lines and do not like to see crooked rows. We could not get them straight with the machine, and the stock planter was made of very poor material—from such light pine wood—that when when we commenced we broke a piece of the frame and then had to make a new piece, and hardly commenced when we broke a casting, and then I threw it to one side. The firmer we used for firming most of the grafts and stocks and think it a very good tool. We also bought a two-horse fertilizer drill, which we think a very good tool for putting fertilizer and lime on small stocks or trees not over 2½ feet high. It is made by the B. F. Avery Co., Louisville, Ky., for the sugar planters South to fertilize the sugar cane. It is made for two horses and straddles the rows distributing the fertilizer along the sides of rows. It cost \$60.

In our packing we try to make good boxes and paper line all of them and use plenty of excelsior or moss and try to have all packing done well, as we ship long distances and have to allow so much time for stock to reach destination. Our stock is nearly all shipped by freight and we prepay all charges on stock sold by agents when we ship.

We think the outlook is better for the business, and while the demand has been more for trees for several years the labor has been so high and so indifferent it has been very hard to keep expenses below cost. We have had plenty of labor this fall but it has not been good as we would like to see, and have had to pay high prices for what we got out of them. We do not look for the labor trouble to be as serious hereafter as it has been for the past two years.

Respectfully,

W. T. Hood & Co.

Richmond, Va.

INDIANA I.

A FRUIT TREE AND ORNAMENTAL GROWER OF INDIANA.

Editor National Nurseryman:

The demand for fruit trees of all kinds has been very heavy with the exception of Plum, and we have sold more Plums than expected and think with the shortage of other stock for spring, that Plums will be pretty well cleaned up at advanced prices.

The demand for shade trees has been unusually heavy with us, with a slight falling off in Roses and Shrubs.

Insect pests have not been as numerous the past season as in former years. The Cherry and Pear slug made its appearance during the summer and a dose of Paris Green added to the Bordeaux soon put him out of commission.

Yellow Leaf, Mildew and other fungous diseases have been very common, owing to the cold, wet summer, and were not as easily controlled as usual.

Outlook:—We are pleased to note that there is a tendency to advance prices in all lines, which I think should be permanent with the increased cost of production. From present indications I think there will be many shortages before spring packing is over. We were never sold as close on so many items at this season of the year as we have at present. We finished our late fall shipment to-day. Collections are coming in very well up to date, although it is too early to tell whether the financial condition will affect same or not. But with prospects brightening we anticipate no trouble as the farmer was never in better shape to buy or pay than at present.

W. C. REED,
Vincennes, Indiana.

INDIANA II.

TROLLEYS HELP SHIPPERS.

Editor National Nurseryman:

We find at the close of the year that we have had a profitable year's business. On account of the very late spring and an unusually severe attack of fungus disease, green aphids and pear slugs there was an abnormal amount of light grade stock. We have never known a season when the stock all over the country fell so short in the larger grades. On this account, also on account of the liberal demand for stock this fall, some lines of No. 1 stock will be very scarce next spring—notably cherry, apple and some varieties of pear and plum. Some lines of shade and ornamental stock were sold very close this fall and will be hard to buy in the spring. The demand for hedging plants has been enormous, especially for California Privet. The stock of 18-24 in. and up will be very scarce for spring.

INSECTS TROUBLESOME BUT CONTROLLED.

In regard to insect pests and fungus diseases, this has been the banner year for them in this locality; it has taken the most constant and thorough spraying to keep them in check. This was due in a large measure to frequent rains. The Bordeaux Mixture has been the main remedy for fungus attacks, Paris Green for pear slugs and Kerosene Emulsion or Whale Oil Soap for green and black aphids. We have found that the most effective way of killing the aphids is to immerse the ends of the affected twigs in the emulsion.

This fall we used the tree stripper for the first time and found it to be a time and labor saver. On account of the congested condition of the railroad traffic, we have had more difficulty than usual with our shipments. The trolley lines are proving a great help in local shipping, being cheaper and quicker than the railroads.

The outlook for the coming year, if financial matters become normal soon, is promising for the nursery business. It now looks as if nearly all lines of nursery stock would be sold closer for spring than for many years. There should be a good demand for all lines of stock at good prices, for the coming year.

C. M. HOBBS & SONS,
Bridgeport, Ind.

INDIANA III.

A THRILLING STORY PROPERLY ENDED.

It is now an old story but we presume you desire to know how we passed through the most remarkable season since Adam conducted his first packing in the garden of Eden; how our stock did not begin growing until mid-season and when it did all the worms, blight and fungus seemed waiting for it and we had to keep the spray cart going six days in the week; how we expected all orders to be shipped late in the fall and got early shipping instructions; how every customer wanted his stock shipped at the same time and every order contained twice as many Cherry, Gooseberry, Bartlett Pear, etc., as he really needed.

How we got swamped and didn't see how we were ever to get out but did; how the freight lay peacefully at all transfer points when we or our customers needed it and (like Van-Winkle slept on) with the wires humming all around trying to move it, how we sold out completely on everything but still have a fine assortment for spring trade!

HONEST INJUN.

We really think in this section all stock is sold closer than for many years and we look for a general clean-up for Spring with some stock entirely out of the market. The little financial flurry seemed to have been needed, for without it we do not know how Spring orders would have been filled any ways near complete.

With fairly good weather within the last few weeks we have been getting our stock in storage and are now almost through digging. Our cellars are about filled with a good general assortment to draw on for Spring. We are now booking orders every day and it seems that the demand will be heavy in spite of financial conditions.

J. K. HENBY & SON,
Greenfield, Indiana.

GEORGIA.

A GEORGIA VIEW—GOOD YEAR.

Editor National Nurseryman:

The past year has been a very favorable one to grow nursery stock. I began to dig Oct. 2nd and have been rushed ever since. Am one month behind now. Competent help at this season of the year is hard to get.

Sales for fall deliveries were fully up to former seasons. Collections very good. The planting of commercial orchards in the South, especially Georgia, is off considerably, due mainly to the failure of the fruit crop this last summer.

About the worst diseases the nurseryman in the South has to contend with is "Crown Gall" and "Aphis" of the apple. We never know just how to figure on a block of apple trees.

I think the seedling growers are largely responsible for these diseases in the nursery. The incipency of the disease of "Gall" is in the young apple seedlings. This could be largely reduced by the growers of seedlings using fresh land every year and land that is well drained. No kind of

nursery stock should be grown on the same land longer than for one crop, and then it should be renovated. My remedy is to select grafting or budding wood from healthy trees and sell the trees at one and two years old.

I use two horse turn plows and sub-soilers in breaking my land in the fall, and in the spring, just before the planting is done, I run a cutaway harrow over the land ahead of the planting. The cultivation is done with Planet Jr. plows.

The packing or "heeling" ground is used to good advantage, especially in filling small retail orders. We use shingle tow mostly in packing trees for shipment. Small fruits, roses and ornamentals we use moss grown here on the nursery to pack in amongst the roots.

I have been very much annoyed in shipping trees by poor freight service, especially where it has to be transferred. Many times it takes the railroads two weeks to get freight to its destination when the distance is not over a hundred miles. Express is the quickest but the rates are prohibitive. In Georgia we can figure on good express rates, but when trees have to go as an interstate shipment, we get it hard "in the neck."

Taking everything into consideration I think we are holding our own in the nursery line. Before the spring season is over we will be pretty well cleaned up on all salable stock.

JAMES CURETON.
Austell, Georgia.

THE QUAKER STATE.

ROSE GROWER OF PENNSYLVANIA.

We have done the best business for fall in our history. It has been mostly in Holland Bulbs, House plants, Dormant Roses and shrubbery.

We are preparing for a large spring business, and we fail to see yet, why we should not get it.

We are not growing fruit trees. The most of our plants are grown in the green houses, and our shipments nearly all made by mail or express.

THE CONRAD & JONES Co.,
West Grove, Pa.

NEW YORK I.

NOT FAVORABLE FOR VINE GROWTH.

Editor National Nurseryman:

The past season has been an off year in many respects and below the average in growing power. The spring and early summer were cold and wet and stock started late. Vines made a good root growth but tops are under size. Trade has been good for fall and better than a year ago and the outlook for spring is promising. There will be no surplus in grape vines for spring and on some kinds a shortage. Labor and all other material are higher than ever and nurserymen must necessarily get good prices to come out whole this year.

Your correspondent who asks about propagating Dela-

wares no doubt had as good success in growing Nortons and Delaware cuttings as others. These two varieties are very hard to propagate. We can get but a very small percentage to grow and with our many years' experience can not improve the conditions.

T. S. HUBBARD Co.
Fredonia, New York.

NEW YORK II.

COMPETENT HELP SCARCE. TRADE BRISK.

Editor National Nurseryman:

Dear Sir:—We are pleased to state that we have found conditions in our business this fall quite satisfactory in almost every respect. Our sales have been sufficient to keep us more than busy and in fact we have been unable to get sufficient experienced help to carry out all of the work we have had in sight. The weather conditions have been extremely favorable, and from the orders already booked for spring delivery we can see that we will have very little surplus stock to dispose of. We do not think that the business depression will affect nursery interests to any great extent, for the reason that farmers are generally more prosperous than ever before, and seem to be alive to the advantages to be gained by planting fruit for profit, as well as ornamenting their home grounds.

There has been more or less complaint from the customers about the slowness of freight. It may be possible that if some action is taken we in New York may be able to get better service through the agency of our new Public Service Commission.

W. & T. SMITH COMPANY,
Geneva, New York.

OHIO I.

SHIPPING SEASON NOT A HAPPY TIME.

Editor National Nurseryman:

We do not know that there is anything of special interest to say in regard to fall trade. We have had about all we could attend to.

There seems to be no limit to the troubles of the nursery trade. Shortage of help, the necessity of fumigating and striving to comply with a lot of different state laws in making shipments, and slowness in which the majority of freight in less than car lots is handled, all conspire to make the nurseryman's life anything but happy in the shipping season.

It seems to us there will be a large shortage in all lines of fruit and ornamental trees in No. 1 grades. We had a poor growing season, a very late spring, and stock did not make up anything like its usual proportion of first class grades.

THE STORRS & HARRISON Co.
Painesville, Ohio.

OHIO II.

LARGE DEMAND FOR SPRING.

Editor National Nurseryman:

Trade conditions here have been all that one could desire; the demand for many lines of stock having largely

exceeded the supply and the inquiries and general pulse of the trade seeming to indicate that trees will be as much sought after in the spring as they have been in the fall. We do not know exactly about all our neighbor nurserymen, but so far as we do know, think their report would be the same.

Very truly,
THE L. GREEN & SON CO.
By F. D. Green.
Perry, Ohio.

OHIO III.

Editor National Nurseryman:

We have had our usual amount of fall trade in small fruit plants at prices somewhat in advance of other seasons. The supply of plants is rather limited, and no doubt the demand will clean them up quickly in the spring.

We have about our usual stock of plants in storage; of which we endeavor to carry a good assortment so that we can take care of orders all during the winter and early spring.

With best wishes for the success of your paper the coming year, we are,

W. N. SCARFF.
New Carlisle, Ohio.

ILLINOIS.

CONIFERS AND ORNAMENTALS—GENERALLY OPTIMISTIC.

Editor National Nurseryman:

We have been very busy this fall, more than usual, and this accounts for the delay in answering your letter. Hoping, however, that these brief words may help your valued "National Nurseryman," we are glad to present them.

KEEN DEMAND FOR ORNAMENTALS.

The general features of the business as evidenced by us showed a great demand for ornamental trees, shrubs and vines, especially evergreens, American elms and Norway maples. The shrubs most in demand are Berbers Thunbergii, Lilacs, Spireas all varieties, Cornus Siberica, Tartarian Honeysuckles, Snowberries, Indian Currants, Viburnum all varieties, Euonymus alatus, Mahonia, Japan Quince, Rose rugosa and blanda, and other hardy forms.

CONIFERS POPULAR.

Evergreens, for ornamental planting, are coming to the front this last year, more so than ever before. Such noble trees as Abies concolor, Abies Douglassi, Picea excelsa, Orientalis, pungens and pungens glauca. Pinus resinosa strobis and Pinus sylvestris are in demand. The most called for deciduous trees for ornamental planting are: American White Elms, Norway Maple, American and European Lindens, Reitenbach's and Schwedler's Maple, Horse Chestnuts, Birch, Catalpa speciosa, European Ash, American and European Beech, Liriodendron, and Flowering Crabs of all varieties.

For forest planting the demand is most remarkable, especially for White Pines, Black Locust, American Chest-

nut, Catalpa speciosa, White, Burr and Red Oaks.

The demand for fruit trees in this section is small, while the demand for small fruits is on the increase from year to year, especially for Red and White Currants, Gooseberries and Grapes.

We have not been troubled with any of the injurious insects, nor had we any serious plant diseases, owing, perhaps, to our vigilant efforts to check the enemy. We are specially careful to buy only from such nurserymen, whose stock we know is free from diseases. "Watch and spray," is our motto.

Our experience teaches us that deep plowing and if possible, cross plowing, thorough pulverizing and rolling the land with a light roller, is the best method of preparing the soil for seeding and transplanting small stock.

Too much attention cannot be given to careful handling and packing stock. Most nurserymen will agree with us that only the most careful and reliable men should be employed for such work; the packing man's judgment must be good as to kind of plants, method of shipping, in other words, he should be a man of large experience.

The prospects for the coming delivery are good in spite of the financial crisis, which we hope is slowly but surely passing by without doing the nurseryman much harm.

R. DOUGLASS' SONS.
Waukegan, Ill.

KANSAS.

OUTLOOK CHEERING.

Editor National Nurseryman:

This season has been an unfavorable one for tree growth. Our stand has been only moderate, hardly so good as usual, and the growth of our stock has been less than usual. The number of No. 1 trees per thousand is considerably less than it was last year. Trade has been somewhat less than usual. We have had a fairly favorable season for our fall packing and our collections have so far been very good with fair prospects for making a favorable finish. While the money panic has made some trouble in the matter of collections it does not seem that it will be very serious.

We are making preparations for increased planting in some lines for another year. Our wholesale trade this fall has been excellent with encouraging prospects for the spring. We have built during the last year a large addition to our packing house so that we have now one of the best packing houses in the country. This past summer we have rebuilt our office so that there are few more commodious, convenient offices to be found in our line of business anywhere.

We consider the outlook all around as good for years to come as it has ever been. We consider the depression of this year only an incident, and temporary at that, and we expect our trade to continue as successful and prosperous as it has any time in the past.

INSECTS.

We would say in the matter of injurious insects that when we read of the conditions that prevail in a large part of the country we think that we here are much favored in this matter. Our planting will run more largely to ornamentals in various lines as time goes on than it has in the past.

FREIGHT MOVING SLOWLY.

In regard to our experience in shipping, in some ways it is fairly satisfactory but we find in too many cases the railroad facilities for handling nursery stock are not satisfactory. We have this fall had shipments from New York in 13 to 15 days. We used to have them in 8 to 10 days. Some of our shipments have gone out from here to point of delivery with reasonable promptness. Some have gone out pretty slow. All around we find encouragement enough to stimulate to further effort. We shall be glad to give any information at any time that we are able and that will be helpful to the trade.

A. WILLIS.
Ottawa, Kans.

NEBRASKA I.

GROW CATALPA.

Editor National Nurseryman:

I am now growing forest tree seedlings almost exclusively. The trade this fall has been exceptionally good, especially in Catalpa seedlings, and of these we were practically sold out Oct. 15th. The public generally have come to know the great value of this tree, of which there will be such a pressing need in the near future. The great commercial value of the true Speciosa will be more and more realized as the years go by, and when it is planted on suitable soil and cultivated and handled properly, will make a very profitable investment in a remarkably short time as compared with many other investments; and much more sure here than orchard planting. From several neighboring nurserymen I have reports of sales in excess of previous seasons and believe that spring trade will be up to the usual amount notwithstanding the money panic.

J. A. GAGE.
Beatrice, Nebr.

NEBRASKA II.

FOREST TREE SEEDLINGS.

Editor National Nurseryman:

Our forest tree seedling trade to nurseries has been very good this fall. In some varieties, such as Catalpa speciosa, Russian Mulberry and the larger sizes in Box Elder seedlings, we have sold our entire surplus. Black Locusts are not selling as well as in former years, still, we have disposed of a large number, but the prices are very unsatisfactory.

Our retail business has been very good, our sales amounting to twenty-five per cent. more than our fall sales of a year ago. We get all orders by catalogues, having no agents in the field whatever. As the western farmers have good crops, we expect a good trade next spring. Do not

think that the late money disturbances will affect the tree and seed sale very much.

C. SONDEREGGER,
Beatrice, Neb.

MARYLAND.

KEEP CLOSE TO THE SHORE SAYS HARRISON.

Editor National Nurseryman:

We are still in the midst of our digging and packing. There is an increased demand for apple trees at better prices. Ornamental and shade trees are moving easily; peach, which is usually a long suit with us, is a comparatively light crop this year, but the demand is somewhat restricted owing to the small crop of the past season.

We are endeavoring to combat injurious insects by teaching the men the great injury these insects do, and we endeavor to encourage an interest in the work by paying a premium for well grown stock.

Among the new types of implements are two-row cultivators, four-row fertilized distributors, a peach seed planter; but the greatest of all is the Reed Tree Stripper, which can be counted on right along, if the gasoline engine moves on time.

The season has been a favorable one for handling stock. We have had some difficulty in getting packing material, and the price of it is going up. Freight shipments are moving more promptly, but express service is poor, and rates are high. As to the outlook, our advice is to keep close to the shore. We are of the opinion that stormy weather is not far away. The expense account ought to be kept down and we ought to remember that a presidential election is in sight.

J. G. HARRISON & SONS.
Berlin, Md.

NORTH CAROLINA.

A POOR GROWING SEASON.

Editor National Nurseryman:

Early spring weather through the South was very unfavorable both to fruit and cotton, causing agents' early orders to be very much less than usual. While the late spring, summer and fall were favorable, we were unable to gain lost ground, and we went into our fall packing with prospect of a large surplus, but as the season has advanced, wholesale and large mail orders have reduced this surplus, and the indications are that the standard desirable varieties will soon be taken up.

JOHN A. YOUNG,
Greensboro, N. C.

SOUTH DAKOTA.

Attorney General Clark, of South Dakota, is of the opinion that the provision of the nursery law passed last winter, requiring a bond on the part of dealers, is valid and constitutional. This provision, however, is to be attacked in the Federal Court. The outcome will be watched with much interest by nurserymen. Note Mr. Pitkin's communication in December NURSERYMAN.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.

205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, . . C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class mail matter.

ROCHESTER, N. Y., JANUARY, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.

Transportation—F. H. Stannard, Ottawa, Kansas.

Tariff—Irving Rouse, Rochester, N. Y.

Legislation—Wm. Pitkin, Rochester, N. Y.

National Inspection Law—Hon. Orlando Harrison, Berlin, Md.

Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.

Program—R. C. Berckmans, Augusta, Ga.

Publicity—J. M. Irvine, St. Joseph, Mo.

Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.

Arrangements—Geo. C. Seager, Rochester, N. Y.

Editing Report—J. Horace McFarland, Harrisburg, Pa.

Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; vice-president, A. L. Brooke; secretary, Thomas B. Meehan, Dreshertown, Pa.; treasurer, Peter Youngers. Meets annually in June.

Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.

American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.

Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.

Western Association of Wholesale Nurserymen—President, A. Willis, Ottawa, Kansas; vice-president, George Marshall, Arlington, Neb.; secretary, E. J. Holman, Leavenworth, Kansas.

Southern Nurserymen's Association—President, Chas. T. Smith, Concord, Ga.; vice-president, C. M. Griffing, Jacksonville, Fla.; secretary-treasurer, A. I. Smith, Knoxville, Tenn. The next meeting will be held in Atlanta, Ga., August, 1908.

Oklahoma Association of Nurserymen—President, J. A. Lopeman; vice-president, J. P. Taylor; secretary and treasurer, C. E. Garee.

Texas Nurserymen's Association—President, E. W. Kirkpatrick, McKinney, Texas; vice-president, B. L. Adams, Bonham, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.

Pacific Coast Association of Nurserymen—President, F. W. Power, Chico, Cal.; secretary-treasurer, C. A. Thompson, Tacoma, Wash. Meets annually in June.

Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa. Next annual meeting at Harrisburg, in January.

National Association of Retail Nurserymen—President, William Pitkin, Rochester, N. Y.; secretary-treasurer, F. E. Grover, Rochester, N. Y.

We bid our readers a prosperous and happy new year! These good wishes come not only from the editor but from the entire management. May it be happy and may it be

prosperous. We prefer to place happiness first, because it is not always con-

THE NEW YEAR

tingent upon prosperity, though the latter is usually a necessary factor. The knowledge of having done a year's

business in a thoroughly square way will do much towards giving a man the right kind of peace of mind. The curtain has just been rung down on 1907. How has it fared with you, and you? It may have been disappointing in weather, sales may have been slow, and collections unsatisfactory, but after all we are richer in the possession of the sum of the experience of the year. We are richer if we profit by this experience. Whether we make the most of this asset is a question that is up to each of us.

The old year closed in a flurry of financial disquietude, things looked gloomy; but the nurseryman has reason to congratulate himself that the safety of land investments was and is not questioned, while on the other hand, corporations and trust companies are too frequently regarded with an eye of suspicion. Unquestionably confidence will soon be restored, though luxuries are likely to be curtailed and a wholesale retrenchment will be the order of the day in many quarters.

In wishing the nurseryman the best of the new year we believe that he can look forward with courage and confidence to a year when he will receive a fuller reward for his honest labors than any which preceded it.

How the boundary of the old Northwest has been shifted and moved on with the pioneer into the new and comparatively unexplored country, and how the view point

of the settler has been changed regarding the limit of cultivable territory!

THE OLD NORTHWEST

The old Northwest in the progress of the pioneer has been surrounded so that it is no longer on the borders,

but almost in the heart of our great western civilization. It is only a short time since Minnesota and Wisconsin were "way out west." It is only a few decades since fruit growing was confined in that region to crabs and native plums, when the outlook for orcharding was unpromising indeed; and then followed the Russian apple period, when this was looked upon as the pomological salvation of the country.

In the rapid evolution of fruit growing brought about by the enthusiasm and abundant faith of the people in possibilities of the soil and climate of the Northwest, the whole face of Wisconsin, Minnesota and South Dakota has been changed; and in these states we find thriving fruit industries, energetic, enthusiastic horticultural societies, and hustling nurserymen. Is it not significant that Minnesota should have a horticultural society with a membership of over 2,000? It indicates that wherever difficulties abound men rise equal to the task of solving them. Minnesota is developing a pomology of her own, one suited to her conditions.

With this knowledge we are prepared for the natural corollary, that where enthusiastic fruit growers reside, there are equally enterprising nurserymen. We are pleased to present in this issue a sketch of one of the pioneers in the business of tree and plant growing in Minnesota. This company, the Jewell Nursery Company, has occupied a prominent place in pomological progress in Minnesota for many years. It has grown to be an enterprise of deservedly large influence in the fruit growing of the entire Northwest. May it live long and prosper, is the wish of thousands of its patrons.

The New York Experiment Station, through its entomologist, Mr. P. J. Parrott, has recently published the results of a number of experiments to ascertain the effects of

DIPPING NURSERY STOCK

dipping on the San Jose scale, and also the effects of this treatment on the trees themselves. Trees were dipped in the standard lime-sulphur wash at temperatures of 60, 100, 120 and 212 degrees, Fahrenheit. Trees dipped in wash heated to 212 degrees were entirely free of scale. But of sixty trees with roots dipped, fifty-seven were killed. Where tops only were dipped, little or no injury was caused. An experiment was tried in comparing fumigation with the dipping of trees in various sprays. Sulphur wash, kerosene emulsion and scalecide were used. In these experiments fumigation completely destroyed the scale; kerosene emulsion, fifteen to twenty per cent.; oil and scalecide, six to ten per cent. proved very efficient, but did not entirely prevent the breeding of the scale.

Other experiments, in which the roots of trees were immersed in lime and sulphur from three to ten minutes, had the effect of invariably destroying the tree. Roots of trees dipped in scalecide were not killed or apparently injured.

The conclusions reached by the experimenter are that "The dipping of roots of plants in the lime-sulphur wash may be attended with injuries. The results on scale by this treatment are variable, depending on amount of infestation, and the extent of the putting of the wash on the trees. For dipping purposes kerosene emulsion and miscible oils appear to be the more promising sprays. Until circumstances and conditions under which they may be satisfactorily employed are determined their use should be experimental. Fumigation with hydrocyanic acid gas is the most efficient treatment for nursery stock."

We talk glibly about rules of nomenclature, but are they really observed with any degree of conscientious effort by the nurseryman and florist? We all agree that rules are

RULES OF NOMENCLATURE

necessary to every phase of our social and industrial economy. Without customs, which usage molds into rules, and without laws for the guidance of the irresponsible and careless, confusion is a mild term for such conditions as would inevitably develop. This we all acknowledge. But in the matter of

naming new varieties of fruits and flowering plants we are awful sinners. A grower originates a seedling apple or peony. He finds it worthy of introduction. Frequently, however, he is the only one who holds this opinion. He decides to introduce it. He conjures up what is to him a suitable name, and baptizes the new creation without further ceremony. This is all very well if he doesn't hit upon a name already applied to another variety in the same class, and, unfortunately, this is altogether too frequent an occurrence. The discovery of the duplication is not made immediately, perhaps does not appear till the new variety has been widely distributed. Then trouble begins. Two nurserymen are propagating different varieties under the same name, and the grower is all at sea.

Now these difficulties might have been avoided in the case of an apple, for instance, by consulting Bulletin 56 of the Bureau of Plant Industry. This bulletin gives all the known names and synonyms of apples. In the case of the peony he can consult the check list published by the Department of Horticulture of the Cornell University College of Agriculture and the American Peony Society. For names of ornamental plants, trees and shrubs and the like he may consult the American Encyclopedia of Horticulture. If precautions of this kind, and these are not difficult, are exercised, many mistakes and much confusion may be avoided. Happily, nurserymen are giving much more attention in recent years to accuracy of naming and methods of classifying their catalogues than formerly.

President H. M. Jones, of the Western Fruit Jobbers' Association, would, if he had the power, abolish the express company from the face of the earth. He says: "They

ABOLISH EXPRESS COMPANIES

perform no service that could not be performed by the transportation companies direct, and that the excessive earnings that are used to pay dividends on stock that represent no investment and should go to the carriers who perform the service and be used by them to cheapen transportation." "I would therefore," says Mr. Jones, "recommend that this Association shall have prepared and introduced at this session of Congress a bill abolishing the express companies and making it the duty of the carrier to perform this class of transportation the same as it should perform any other." [Pleasant moonshine, eh?—Editor.]

Mr. C. C. Bell, of Boonville, Mo., stated at the recent meeting of the Missouri Horticultural Society that six years ago he had a number of fine young apple trees badly affected

NOT AFRAID OF APPLE TREES WITH ROOT KNOT

with root knot. He was advised by scientists to destroy them. Instead of doing this he planted them in orchard. To-day, after six years growth, they are as handsome and healthy as one could wish. He considers the proposition proved and will not hesitate in future to plant or recommend the planting of trees similarly affected.

Business Movements

I. N. Frantz Moves to Texas.

I. N. Frantz of the Tecumseh Nurseries, Cedarville, Ohio, has decided to locate in the Red River Valley of Texas. His address will be Vernon, Texas, after the first of the year. The change is made partly on account of health, and partly owing to the difficulty of meeting the public demand for what is called cheap stock.

Mr. Perkins Goes to the Pacific Coast.

Charles H. Perkins, president of the Jackson & Perkins Co., of Newark, and vice-president of Chase Brothers Company, Rochester, left Monday evening for a trip to the Coast. His itinerary was planned as follows: Chicago, Omaha, Grand Junction, Portland, San Francisco, San Jose, Los Angeles, Orange, San Diego and home about March first via the Santa Fe. Mr. Perkins will visit many nurserymen while away and look after his extensive interests on the Pacific Coast. He will meet his son, Albert, at Orange.—From the Newark Union, Dec. 21, 1907.

An English Visitor.

The business office of the "National Nurseryman" recently had the pleasure of a call from Mr. F. Gomer Waterer, of Bagshot, Surrey, England. Mr. Waterer has been making his annual tour of New England, New York and Pennsylvania. He spent about two months in this country and sailed for England on November 5th.

The German Nurseries, Beatrice, Nebraska, offer a large stock of tree seeds, including the leading deciduous and coniferous species, and a full collection of tree seedlings, in wholesale quantities and at unusually low figures.

Ward-Dickey Steel Company.

The Ward-Dickey Steel Company, Indiana Harbor, Indiana, is making a specialty of planished sheet steel for strapping shipping boxes. This steel is strong, pliable, and is soft enough so that nails can be driven into it without difficulty. It seems to furnish an ideal binding material for boxes.

Howard A. Chase, of Philadelphia, in Difficulties.

A late issue of the Philadelphia Evening Bulletin is responsible for a statement to the effect that Howard A. Chase, formerly manager of the Philadelphia branch of the R. G. Chase Co. Nurseries, secured about \$80,000 from various banks in Pennsylvania and other states, by false representations, and that he is liable to arrest on a criminal charge within a few days. The basis of the charge is that Mr. Chase while treasurer of the R. G. Chase Company, raised this money by misrepresenting the amount of capital owned by the company. Subsequently Mr. Chase organized a company under the laws of Delaware. He was then deposed as treasurer of the R. G. Chase Company, and the branch office in Philadelphia closed. The R. G. Chase Company denies that it is in any way responsible for the money secured by Howard A. Chase on the notes negotiated by him. Mr. Chase is one of the city commissioners of Philadelphia, and has been long and favorably connected with the fruit growing and the horticultural societies of Pennsylvania.

Failure of Mergenthaler-Horton Basket Machine Co.

This company, organized under the New Jersey laws, and maintaining an office in Jersey City, noted for its extensive advertising of fruit baskets, has recently failed. It was a stock company, and is reported to have sold \$1,500,000 worth of stock. The treasurer of the company has disappeared, while the president is ruined. The assets of the company have been seized by the creditors, but they are likely to find very little of value.

Fellouris a Bankrupt.

Anthony J. Fellouris, wholesale dealer in evergreens, 52 West Twenty-eighth street, has filed a petition in bankruptcy, with

liabilities \$11,892 and nominal assets \$2,218, consisting of cash, \$50; accounts, \$543; fixtures, \$125, and contingent half interest in damages for termination of a lease. Of his liabilities, \$8,750 are contingent for rent of No. 52 West Twenty-eighth street. He owes \$402 for wages to two employees and \$2,325 to twelve men in various parts of North Carolina for evergreens.—Florists' Review.

Glen Saint Mary Nurseries.

The last catalogue of the Glen Saint Mary Nurseries gives the names of the members of the reorganized company: G. L. Taber, president and treasurer; H. Harold Hume, vice-president and secretary; Warren S. Askew, assistant secretary; W. P. Jernigan, assistant treasurer; M. M. Bass, field manager. The catalogue also draws attention to the establishment of a branch nursery at Winterhaven, Florida. This branch is to meet the demands of the patrons of the nursery who are in the strictly tropical regions.

LEGISLATION.

MODIFICATION OF VARIOUS STATE NURSERY LAWS.

Editor National Nurseryman,

Ithaca, N. Y.

Dear Sir:—

Since the publications of the Summary of Laws, covering inspection, certification and shipment of nursery stock in the October number of "The National Nurseryman," the following information should be added:

TEXAS.

Texas requires under rule of October 10, that each package must be accompanied by a certificate of inspection showing first that the "stock to be shipped into Texas has been examined by the proper officer or employe and is apparently free from all dangerous insect pests and dangerously contagious diseases, second, that where fumigation is required it must show that the stock has been fumigated. On filing such certificate a fee of \$1.00 is charged upon the payment of which a certificate will be issued by the State Inspector of Orchards and Nurseries of the State of Texas, approved by the Commissioner of Agriculture authorizing the shipment into Texas of such nursery stock." Samuel H. Dixon, State Inspector of Orchards and Nurseries, Hon. R. T. Milner, Commissioner of Agriculture, Houston, Texas.

The State of Utah requires a certified certificate of fumigation of all stock shipped into the state. J. E. Taylor, Secretary, State Board of Horticulture, Salt Lake City, Utah.

All shipments of nursery stock into the late Indian Territory must conform to the laws and also to the regulations of the State Board of Agriculture of Oklahoma. B. J. Waugh, Secretary, Guthrie, Oklahoma.

Yours respectfully,

G. L. FLANDERS.

Albany, N. Y.

Assistant Commissioner.

Goodwillie Brothers, of Chicago, Ill., whose specialty is re-sawed box lumber, box shooks, and crating, have recently started a new plant at Manistique, Michigan, and will operate same January 1st.

Quiz Column

Dipping Apple Grafts in Kerosene Emulsion.

Do you know if any bad results would follow the dipping of apple root-grafts in kerosene emulsion for woolly aphids?

Very truly yours,

R. F. D. No. 1
Chelan Co.

Wright Nur. Co.,
Cashmere,
Wash.

Dipping Apple Grafts for Woolly Aphids.

It is probable that this is the most feasible plan of treating this enemy. Recent experiments have shown that apple roots are not injured by dipping in kerosene emulsion. It does not follow, however, that all the woolly aphids would be destroyed by this dipping, but the probability is that if a good emulsion is made and the dipping is done with such care as that all parts of the root are covered, most of the woolly aphids will be killed. This will necessitate opening the bundles of apple grafts so that every part will be covered. If dipped in bundles of 100 or more it would unquestionable follow that only part of the roots would be covered by the oil.

EVERBLOOMING HYDRANGEA.

Please tell me in your next issue where I can buy the new hydrangea, "Everblooming." Is it hardy in this state?
Cincinnati, O. A READER.

This worthy native form of the hydrangea can be secured from most of the leading nurserymen and florists. The introducer was the late E. Y. Teas, Centerville, Ind., but Messrs. McNary & Gaines, Dayton, O., or Vaughan's Seed Store, Chicago, Ill., handle it. We understand that it is perfectly hardy in Ohio. EDITOR.

METHODS OF PACKING APPLES.

Editor National Nurseryman:

Do early apples keep better when packed in barrels that are ventilated by having holes bored in the sides or packed in tight barrels? Which way do late winter apples keep the best, whether to be held in cold storage or not, in barrels ventilated or otherwise?

MINNESOTA SUBSCRIBER.

ANSWER BY MR. G. H. POWELL, DIVISION OF POMOLOGY,
DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

In reply to your correspondent, I would say that we have made some experiments on the keeping quality of early apples in ventilated barrels compared with tight barrels. In a general way, we have seen no difference in the fruit. The common ventilated barrels frequently admit no more air to the package than the so-called tight barrel, due to the cheap way of constructing barrels at the present time. There is a pretty free circulation between the staves of many of the so-called tight barrels.

I do not consider the barrel a good package for the storage of early apples. The fruit does not cool off sufficiently quick in hot weather when placed in storage to check the ripening in the center of the package. We have found that the bushel box or the slat crate are preferable for the early kinds.

As regards late winter apples, we have not seen a marked difference in the keeping quality of the fruit when stored in barrels and in boxes, and have made no experiments comparing ventilated and tight barrels with winter apples. The fact that the winter apples do not show better keeping quality when stored in boxes is due to their slower ripening processes.

Quick storage after picking, coupled with careful handling, are the two factors above all others that determine the successful keeping quality of early apples in cold storage. A delay in storing the fruit a few days after picking in hot weather is very detrimental to the keeping quality, and the bruising of the fruit, provided the bruise punctures the skin, will be followed by decay, especially if the storage of the fruit is delayed.

Chairman Wagner Appoints a Committee of New York Men.

New York, Nov. 30.

Another, and what promises to be an important step toward putting a stop to the "short" apple barrel evil was taken this week by the International Apple Shippers' Ass'n. Wm. L. Wagner of Chicago, president of the association, appointed a committee of its members to outline a plan of campaign along which the association can proceed and if possible eradicate the evil.

This committee is composed of T. F. Park of T. F. Park & Co., of this city, chairman; Wm. H. Bahrenburg, of J. H. Bahrenburg, Bro. & Co., also of this city, and D. H. Weaver, a large apple operator and manufacturer of barrels, of Glen Fall, N. Y.

The committee met for the first time Wednesday, but further than discussing the situation, nothing definite was decided upon.

T. F. Park, chairman, said: "It is the intention of the association and the members of this committee to do everything possible to abolish the 'short' apple barrel which has been a menace to all concerned in the apple business. The primary step, I presume, will be to make a careful investigation of the statute books and learn definitely what this law says on the point. I, as chairman of the committee, will call another meeting in the course of a week or ten days and at that time we will plan a complete campaign. We want to have the matter definitely settled in time for the coopers to know what they must manufacture in the shape of barrels to satisfy the future demands."

The New York Packer.

APPROBATION.

The National Nurseryman,

Enclosed find \$1.00 for renewal of our subscription to the National Nurseryman. We find it a very profitable paper.

Yours truly,

Chicago, Nov. 6, 1907.

Leesley Bros.

The National Nurseryman,

Enclosed find one dollar. Kindly renew my subscription. I am very much pleased with your Journal.

Crete, Nebraska, Nov. 7, '07.

E. F. Stephens.

The National Nurseryman,

Enclosed find one dollar for one more year's subscription to your valuable Journal. We could not be without it.

Yours very truly,

Bristol, Conn.

Paul M. Hubbard & Co.

Obituary

John Gallagher.

The death of John Gallagher, aged 48 years, occurred December 5 at the home of his brother, James Gallagher, 142 William street, Geneva, N. Y. Death was caused by pneumonia. The deceased was the foreman of the nursery of the late D. H. Patty for 20 years, and for the past two years had been foreman for the R. G. Chase Nursery Co. He had been a resident of Geneva for his entire life. He leaves his father, Thomas Gallagher of Chicago; two sons, Edward and Michael; one daughter, Anna, and one brother, James Gallagher, all of Geneva.

Alexander Hukill.

Alexander Hukill, 69 years old, died December 5 at his home in Biddle avenue, Wilkinsburg, Pa. He was born in Bridgeport, O., and was a retired nurseryman. Seven children survive.

Philip J. Hauswirth.

The members of the Society of American Florists and Ornamental Horticulturists were deeply shocked early in December to learn of the death by his own hand, of Secretary Hauswirth. Mr. Hauswirth had been a prominent, active worker in the Society's affairs for many years. His advice and directing ability were keenly appreciated. Affable, industrious and efficient, his loss will be keenly felt. Mr. Willis N. Rudd of Chicago has been appointed secretary pro tem.

Prof. Geo. E. Davenport.

Mr. Davenport died at the age of 74 years at his home in Medford, Mass., on November 29. He was recognized as the leading authority on ferns in this country. He was closely associated with the systematic botanists of the various colleges of this country and Europe. For many years he worked in close touch with Prof. Lucien M. Underwood, of Columbia University, whose death was recorded a short time since. Mr. Davenport was 74 years of age. He leaves an honorable record as a careful scientist.

James H. Veitch.

In the death of James H. Veitch on November 20, at Chelsea, England, the horticultural world suffered a serious loss. Mr. Veitch was a member of the noted firm of Messrs. James Veitch Sons, Ltd. He was a student, a traveler, and a writer. He was the author of "Hortus Veichi," a handsome volume recording the tree and plant introductions of the firm with which he was connected, as well as the hybrid productions for which they were responsible. This volume is beautifully printed and illustrated and marks an epoch in the literary affairs of nurserymen. His passing is much to be deplored.

A. L. Lucas.

A Nursery Agent's Good Record.

A. A. Lucas, a well-known resident of New Washington, Ohio, the father of Dr. Lucas, was found dead in his bed at his boarding house in Mansfield, Ohio, Saturday morning, Oct-26, death having resulted from heart failure.

Mr. Lucas was nearly 70 years of age, and had been employed as a traveling salesman for C. L. VanInwagen, nurseryman, Newark, New York, for the past 11 years, and was well known in the five towns in which he made his regular trips twice each year in the interests of his business.

C. L. VanInwagen says that during this period of time Mr. Lucas sold for him nearly \$21,000.00 worth of nursery stock, and nearly half of this amount sold in the last four and one-half years. His best year was \$2,200.

TRANSPORTATION.

SOME GOOD SUGGESTIONS.

Geneva, Neb., Dec. 2, 1907.

Editor National Nurseryman:

In order to further illustrate the poor business methods of some railroads in notifying parties when goods are received by their lines, we may say that we have received three cards similar to the one we enclose giving us information in regard to the trees that we had shipped from New York in the autumn; but the cards were received after we had the stock packed away in the cellar! You will notice the trees were shipped from Dansville, N. Y., on the 13th of November, arrived in Chicago on the 20th and we received notice on the 30th, after we had received the goods and had them stored away in the cellar. This is the kind of service we get from the Erie Railroad. Instead of notifying us at once when the goods were delivered to the C. B. & Q. in Chicago they send us word so late that it is practically of no value to us.

Here is the card:

ERIE DESPATCH.

114 South 15th Street, Omaha, Nebr., 11-30, 1907.

The following shipments were delivered at Chicago 11-20.

The card gave the following information:

From D'Ville; date, 11-13; shipper, H. R. McNair; articles, trees; car No. M. C. 948319; Erie Pro. No. 6999; R. R., Q.

Yours truly,

B. J. DRUMMOND, *Agent.*

WORK FOR TRANSPORTATION COMMITTEE.

Experience has taught us that it is best to ship by express all small shipments of not over five hundred pounds, when time is an object, as the present slow movement by freight will not justify the risk and disappointment incident to delay, and if our Transportation Committee could in any way expedite the local freight shipments it would render valuable assistance to the nursery trade. When a shipment starts by freight we put tracer after the goods and also write the agent of connecting lines to look after the prompt forwarding of the shipment. This is often very unsatisfactory. Often we do not get an answer, or some clerk will send an answer that they keep in stock for the occasion and in three or four weeks after the goods are delivered we will receive notice that the goods have been delivered at a certain date, but this information is of no use or value to the shipper. In all our shipping we have thus far found only two roads that will give the shipper prompt and concise information regarding movements of shipments consigned to their care. These are the N. C. & St. L. and Missouri Pacific. They take pride in their notice of showing just *where* the shipment is located and *when* turned over to the connecting line as the card will show. If this road can do this, why should not all roads be requested to do so? We believe that if our nurserymen throughout the country would show preference in routing goods (when possible) over lines that adopt this system of tracing, we would soon have it universally used.

YOUNGERS & Co.

Note and Comment

Hood River Apples.

The apples of this famous valley still continue to attract attention in the eastern markets. Three cars of Newtown Pippins sold recently in New York at \$4.00 to \$4.50 per box. This is the consumer's price. The great use of these apples to the fruiterer is their decorative value. They make beautiful window ornaments. Of course this does not infer that they are not good to eat, but it is a fact that their beautiful appearance attracts the buyer.

Winter Protection for Half Hardy Plants.

In a recent issue of the "Florists' Exchange" Mr. W. F. Massey offers the following practical suggestion for the protection of plants easily injured by winter cold. The main point he makes is that in regions where the plant is nearly hardy enough to come through without protection, it is a mistake to cover it with soil or heavy protective material. For instance, tea roses where nearly hardy are apt to rot if wrapped closely with protective covering, or covered with soil, while they will winter safely if the only protection given takes the form of a heavy ground mulch. Mr. Massey recommends sawdust as a good mulching material, and the mound should be broad enough and deep enough to prevent the ground from freezing hard about the roots. There is no doubt that this practice of fall mulching is most beneficial.

Apple Stories.

This is the year for large stories in connection with the sale of apples. Even the growers of oranges and tropical fruits will have to take a back seat temporarily. A despatch from Leroy, New York, tells the story of a farm sold in that region last year for \$11,000. On this farm was a good sized orchard, and this year the orchard produced 10,000 barrels worth \$3 a barrel. A very simple way of paying for the farm, and leaving a handsome surplus.

Pecan Growing in California.

Mr. Leonard Coates, of California, is authority for the statement that fruit growers in that state are becoming interested in pecan growing, and some of them are of the opinion that the pecan will rival the walnut as a money-maker. This unquestionably is largely speculation, but there is no reason to doubt that there are many places in the state where the pecan might be grown with satisfaction and profit; but we would advise our friends of the Pacific Coast to experiment before dashing wildly in.

Removing the Pucker From Persimmons.

It is reported that Mr. George C. Roeding, the noted nurseryman of Fresno, has by some occult method taken the "pucker" from the green persimmon, and presented it to the would-be consumer minus that objectionable quality. Mr. Roeding packs his green persimmons in tubs from which Japanese rice beer has been lately removed. The tubs are hermetically sealed, and the fruit left in them from eight to ten days. After this period it is found that the unpleasant astringent quality has been entirely withdrawn from the fruit. We are not informed whether the "pucker" is replaced by the flavor of the rice beer. Perhaps this would prove no objection to some consumers, but it might be a point worthy of consideration. This method has been practiced, however, by the Japanese for many years.

Florida Citrus Crop.

The amount of the citrus crop for 1907 is estimated at 2,295,072 boxes. This includes oranges in their various forms and grape fruit. The crop of grape fruit and tangerines is only about a third of that of 1906. It will take several years yet for

the output of Florida oranges to approximate the palmy years immediately prior to the heavy freeze of 1903-4; but the orange areas are being extended, and in the lower end of the peninsula grape fruit is being planted in a large way. In the north part of the state pecans and peaches are being extensively planted.

1908 CONVENTION, JUNE 10-12.

Headquarters At Plankington Hotel, Milwaukee, Wis.

Rochester, N. Y., Dec. 10, 1907.

Editor National Nurseryman,

Sir:—

I enclose herewith correspondence giving information regarding hotel arrangements for the convention of the American Ass'n of Nurserymen to be held at Milwaukee next June.

I wish to acknowledge the generous assistance of Mr. T. J. Ferguson of Wauwatosa, Wis., who personally visited various hotels in the interests of the Ass'n and reported fully and satisfactorily to the committee.

In order that members may obtain satisfactory rates it is important that they should write early the management of the Plankington House and arrange for reservations.

Yours very truly,

Geo. C. Seager,

Chairman Committee of Arrangements.

The correspondence is omitted for the reason that the following statement contains the essentials of the hotel arrangements.

Mr. Seager, in writing to the manager of the Plankington House, says:—

My understanding of your proposition for taking care of the convention of the American Association of Nurserymen to be held at Milwaukee, June 10-11-12, 1908, is as follows:—

Rates:—American plan, for one person without bath, \$3 a day and upwards, with bath \$3.50 per day and upwards; two persons without bath \$6 a day and upwards, with bath \$6.50, \$7 a day and upward. In connection with these rates you suggest that our members make reservations as early as possible and in that case if you are unable to reserve room at the rate desired, you will suggest how that rate may be obtained by taking a room with others say two, three or four people as the case may be, and that you have more rooms at the minimum rate than at the higher rate.

It is my understanding also that you agree to furnish free of charge the Colonial room for convention room and a small Colonial room for secretary's office, and exhibition space in your club room and ladies' parlor if a store on the ground floor suitable to our committee is not available.

I presume it is unnecessary for me to ask also that letters from our members asking for reservations be in all cases acknowledged. I have found that in some cases hotels simply make reservations and do not reply. In that case it leaves our members in some doubt as to whether or not they are provided for.

On receipt of confirmation from you or my understanding as above outlined I shall be pleased to close with you naming the Plankington House as headquarters for our convention. I thank you for your very courteous replies to my various inquiries and hope that my understanding is correct. I remember very pleasantly the last convention of our Association held at the Plankington and assure you that everything possible will be done to bring out a large attendance.

Geo. C. Seager.

It is a trifle early to reserve a room but not too soon to talk to your wife about attending the convention.—Editor.

Doings of Societies

TENNESSEE NURSERYMEN AND HORTICULTURISTS.

The state meeting of nurserymen and horticulturists of Tennessee is to be held in Nashville, January 30th and 31st. In this state the fruit growers and tree growers hold their meetings at the same time, which is a very good idea. The secretary, Mr. G. M. Bentley, of Knoxville, state entomologist, urges all nurserymen within reach of Nashville to attend the meeting if possible. An attractive program has been prepared, and an interesting meeting is assured. Officers of the society are Hon. J. C. Hale, Winchester, president; secretary-treasurer, Prof. G. M. Bentley, Knoxville.

INDIANA HORTICULTURAL SOCIETY.

W. C. REED, PRESIDENT

At the last meeting of the Indiana Horticultural Society, W. C. Reed, the prominent nurseryman of Vincennes, was elected president. The "Indianapolis Star" of December 6 groups the officers of this society in a very striking way by representing each seated on an enormous apple. Mr. Reed tops the pyramid surrounded by the treasurer, S. A. Hazlitt; L. B. Custer, vice-president; W. B. Flick, secretary; with Messrs. Troop and E. Y. Teas at the base. This society is doing excellent work, and its immediate success is unquestionably assured, when guided by the vigorous hand of Mr. Reed.

PERSONALS CULLED FROM OUR EXCHANGES.

Frank Teager, who has been employed at the Gateway Nursery, Le Mars, Ia., for the past eight years, has formed a partnership with Mr. Seecat, of Dyersville, and the two will embark in the nursery business in Minnesota. They will establish their nursery on a 100-acre farm belonging to Mr. Seecat near Oakleaf, if the soil proves to be satisfactory.

Fredonia, N. Y.—Louis Roesch, his son, Milton, and an uncle, Matthew Roesch, were all seriously injured recently by the premature explosion of a stick of dynamite which was being lowered into a well to clear it out. It is feared the former may lose the sight of both eyes. He is now in the Dunkirk hospital, where Dr. Blackham, an optical specialist, has charge of his case.

Winfield, Kans.—E. S. Moncrief, vice-president of the Winfield Nursery Company, has returned from his southern trip.

Fire at the Government Seed Building.

The federal government and one of its contracting firms suffered a serious loss by fire in the building in which the seeds for free distribution are stored and packed, early November 6th. The contractors are E. A. Cole, H. J. Westwood and H. E. Crissey, who have charge of packing the department seeds. At the time the fire occurred about \$75,000 worth of seeds were in the building, and Dr. B. T. Galloway, chief of the Bureau of Plant Industry, who had charge of the seed distribution, thinks about one-half of them were destroyed. Contractor Cole says the damage to the property belonging to his firm will amount to about \$15,000, and the damage to the building is estimated to be about \$15,000 to \$20,000, making the total damage about \$75,000. The building and seeds were fully insured.

The greatest loss has been in the small seeds already put up in packages and prepared for distribution, but the loss will not hinder the annual distribution to any great extent, as there is already a large corps of workers busy preparing the seeds for that purpose. The officials expect that possibly much of the larger seeds can be saved, and the employees are now drying out such as can be saved.

COVER CROP MULCH FOR STRAWBERRIES.

It discourages luxuriant growth in the strawberry plant towards winter, protects them from the early frosts and allows them to form good crowns for the spring's growth. It prevents the frosts from penetrating the soil to any great depth, but holds frost sufficiently long in the ground to discourage too early a growth, and at the same time does not delay the early ripening of the fruit; the mulch is fixed, does not blow away and under this the ground remains mellow and moist; the fruit above keeps clean and will bring one to two cents more per measure than that over which the sand has been washed. Buyers recognize your packages on the market and will purchase without examination. It also does away with spring cultivations thereby saving time.

ANNUAL REPORT OF AMERICAN ASSOCIATION OF NURSERYMEN.

The report of the Detroit convention appeared early in October. This forms a volume of 157 pages, not counting the shippers' table or the nurserymen's telegraphic code. It is larger than usual, contains more papers than the average report, and the discussion of these papers is considerably fuller than ordinary. The volume is well edited, and the press work is satisfactory. On the whole we believe it to be one of the most valuable reports that the American Association of Nurserymen has published. Credit is reflected on the editing committee and the secretary of the society.

APPLE SHIPPERS' REPORT.

Year book of the International Apple Shippers' Association. We have just received from Secretary Patch, of Boston, a copy of the proceedings of the last meeting of this enterprising organization. It makes up a volume of 127 pages, and is interesting from the fact that not only shipping problems are discussed, but from the interesting fact that cultural questions have occupied a considerable portion of the time of the Atlantic City convention. One of the most spirited discussions which occurred was that on the management of apple orchards. This indicates that shippers are interested in these field problems as well as in the mere handling of the finished article.

The apple shippers have also given some attention to the matter of fruit inspection. A committee was appointed a year ago to consider the question and it is not unlikely that definite action will be taken in the near future.

Book Review

FOUR SEASONS IN THE GARDEN. Eben E. Rexford. 8¼ x 5½. 307 pages, including index, illustrated. J. B. Lippincott Co., Philadelphia. Price, \$1.50.

The volume is introduced by an attractive colored frontispiece representing an informal herbaceous border. The book treats of the care of the lawn, the making and care of flower beds, flowers for summer, for autumn, for window gardens, for the home greenhouse, and closes with a couple of chapters on village improvement work. The whole is discussed in the pleasant conversational style peculiar to Mr. Rexford. His long experience as a periodical writer has colored his style with the characteristics of a newspaper writer. The volume is suggestive, and contains many practical hints of great value. It is nicely printed, contains a number of attractive illustrations, and is further illuminated by selections from nature poets. The amateur will find the volume interesting and instructive.

LEGISLATION

Economic Entomologists, Horticultural Inspectors and Committee of American Association of Nurserymen take Important step to secure Uniform Inspection Laws and Inspection of Imported Nursery Stock.

(Special Correspondence to National Nurseryman.)

Chicago, Dec. 27.—The Association of Economic Entomologists met to-day with the Horticultural Inspectors of the United States and a committee of the American Association of Nurserymen composed of ex-President Orlando Harrison, of Berlin, Md.; President J. W. Hill, Des Moines, Ia.; Professor John Craig, Ithaca, N. Y., and Col. C. L. Watrous, Des Moines, Ia. The vital subjects of inspection of imported nursery stock and the inspection of nurseries engaging in interstate trade were under discussion.

A joint committee of the entomologists and inspectors met with the representatives of the nurserymen and unanimously agreed upon a set of resolutions which were afterwards adopted by the respective associations. These resolutions are as follows:

Inspect Imported Stock.

(a) Resolved—That the Secretary of Agriculture be empowered to make regulations governing importations liable to harbor insect pests or plant diseases. Such importations are to be accompanied by the certificate of a duly accredited entomologist of the country in which said shipments originate, or, in the absence of such certificate, to make inspection of such shipments by competent agents at point of destination; and that a sufficient appropriation be made for this purpose by Congress.

Uniform Certificates.

(b) That Congress be asked to enact a law empowering the Secretary of Agriculture to issue certificates of nursery inspection as nearly uniform as possible to all nurseries in the United States engaging in interstate trade, upon proper inspection of such nurseries by duly authorized representatives of the United States Department of Agriculture or by State officials approved by the Secretary of Agriculture for that purpose; and that sufficient appropriation be made therefor.

Further:

That all State and Territorial officials in charge of nursery inspection be urged to accept the Federal Certificates at their face value and that in the States where laws are now in force which will not allow the acceptance of such certificates, the inspection departments be requested to endeavor to secure such State legislation as will make this possible.

Control of Pests.

(c) Resolved—That Congress should authorize the Secretary of Agriculture to proceed to exterminate or control imported injurious insects or plant diseases or any insect previously native to a restricted locality but which may become migratory and threaten the whole country, whenever in his judgment such action is wise and practicable; and that an appropriation be made

for this purpose as a reserve fund against any such pest which may arise.

(d) The Joint Committee proposes to have two bills prepared for introduction in Congress, one of these embracing the subject matter of Sections A and B and the other embracing only the subject matter of Section C, and that if the passage of both measures be found impracticable or impossible, then all efforts be concentrated in the attempt to secure passage of the bill involving the certification and inspection of imports and the control of nursery shipments entering into interstate trade as above outlined.

Meaning of Above.

It will be seen that three important features affecting nurserymen and fruit growers are embraced in these resolutions.

First—Nursery stock brought in from foreign countries must be accompanied by a certificate of inspection showing it to be free from injurious insects or disease. Without this it may be shipped to destination in bond and is there subject to inspection by United States officials. Of course this could not be enforced until sufficient notice is given to allow shippers and importers opportunity to make the necessary arrangements.

Second—An attempt is to be made to unify and co-ordinate inspection and shipping regulations so that the nurseryman will be relieved of some of the onerous and vexatious details arising out of varying State requirements. It is expected, in case the measure receives the approval of the Secretary of Agriculture and is passed by Congress, that the United States Bureau of Entomology will co-operate with and make use of existing State machinery and officials so that uniform methods may gradually be installed to the great comfort and convenience of the shippers. The details must be worked out slowly.

Third—Congress is to be asked to give the Secretary of Agriculture police powers and such authority as may enable him to control the spread of pests likely to menace the interests of several States. He would have the same authority in this respect as is now given him in the control of animal diseases. Sections A and C of these resolutions are specially favored by entomologists and horticultural inspectors. Section B has the general support of the great majority of the nurserymen. A few are doubtful in regard to its expediency, fearing additional difficulties affecting the shipment of stock. It is safe to say, however, that all will have an opportunity of passing upon the desirability of the measure when its features are fully outlined and before legislative action is taken. The Secretary of Agriculture, through the officers of his department, will undoubtedly report upon the feasibility of the movement and probably outline a scheme of operation. A full discussion will appear in the next issue of the "National Nurseryman."

Correspondence

Indiana Harbor, Ind., December, 1907.
 Editor National Nurseryman,
 Gentlemen:—

THAT COMET MISSED US AFTER ALL.

Uncle Sam's farm all here, with less mortgages on it than ever before, and in a wonderful state of productivity.

In Agricultural, Mining, Forestry, Fisheries, and other products, good old mother earth turned into the lap of her U. S. children in 1907, the unprecedented total of over \$10,000,000,000 and it must go to market. Railways all here, and several miles extra, with motive power and rolling stock increased.

Mills and factories in "A-1" condition, ready to convert these products into what human beings want, and turn them over to the railways to re-transport to the consumers, who are able to buy what they need.

More money in the country than ever before, since we were a country, and every dollar of it, good as gold. Banks sound, and doing business at the old stand. What's all this fuss about? Lets "Play Ball" and not "bawl" but get to work.

Yours very truly,
 Ward-Dickey Steel Co.

FROM OUR EXCHANGES.

Bar Harbor, Me.—Main street was completely blocked, November 20, when the big Mt. Desert Nurseries building, which was moved off its foundation, was swung around, completely blocking the street and sidewalks on each side. It was a case of going around the other way, except in the case of a few venturesome pedestrians who climbed over the logs and debris. The big building is being moved across the street at this point, giving very little room to spare.

The Fancher Creek Nurseries, Fresno, Cal., are offering a number of Luther Burbank's productions as follows: The Formosa, Gaviota and Vesuvius plums; the Santa Rosa plum of Frederick Weyerhaeuser of St. Paul, Minn., the rich lumber man, has given \$50,000 to Yale for a chair in forestry.

M. Crawford has returned to Cuyahoga Falls, O., after a summer spent in experimental work at Shiocton, Wis. His work is said not to have wholly confirmed the high opinion of its property for market garden purposes held by the Shiocton Gardens Lands Co., and Mr. Crawford has shipped back to Ohio his stock of gladiolus bulbs.

Toronto, Ont.—Brown Brothers Company, Limited, nurserymen, have increased their capital stock from \$75,000 to \$150,000.

Vineyard, Ga.—James D. Husted, well-known horticulturist and originator of the Early Michigan and Admiral peaches, died here recently, aged 78. He was a native of New York, lived about 15 years in Lowell, Mich., where he was engaged in horticulture, and moved to Georgia 30 years ago.

The National Nurseryman,
 Rochester, N. Y.

Dear Sirs:—

Replying to yours of recent date—

Trade has been brisk here, and planters have placed orders early. The general scarcity of fruit this year, and consequent exceptional prices obtained by our fortunate growers has stimulated planting on a large scale.

This was a most beautiful fall to complete outside work—and no freezing weather yet, at this date, during the day.

Yours truly,
 Provo Nurseries,
 B. H. Bower.

Mr. E. G. Mendenhall, of Kinmundy, Ill., has again been elected for the eighteenth time Secretary-Treasurer of the Horticultural Society of Southern Illinois.

Mr. Mendenhall is making a special feature of specialties for the Nurseryman. He has an ad. in this issue.

He also has issued a valuable catalog for the Fruit Grower. He will send it on request.

Burton J. Vandervort, together with Ulysses G. Owens and Louis Dunning, have just organized a new company, the firm name now being The Corn Belt Nursery & Forestry Association. They intend to plant a good many acres this coming spring.

Success to the new firm.

There will be a meeting of the Oregon State Horticultural Society held at Portland, Oregon, January 14th, 15th and 16th, 1908. A fine programme is being prepared for this annual meeting and a large attendance is assured. Prof. E. R. Lake, of the State Agricultural College at Corvallis, is secretary, H. C. Atwell, of Forest Grove, president.

The Chico Nursery Co. has leased for a number of years the farm of George Miller, south of this city, and will establish its business there. The company will install a gasoline pump with a 1,300-gallon per minute capacity for irrigation. A half million seedling peaches and a like number of grape vines will be planted. The annual payroll of the company is between \$15,000 and \$20,000.

Mr. McLean, of the firm of McLean Bros., Dansville, N. Y., which is one of the leading nurseries of that town, called at the business office of the "National Nurseryman" a few days before Christmas.

Rochester, N. Y.

Gentlemen—Enclosed find check for one dollar for renewal subscription. I think a great deal of the "National Nurseryman." Could hardly get along without it. The journal helps me in buying supplies, besides a good deal of information which I could not get from any other source."

With best wishes, truly,

G. W. NICHOLS.

Read what one of our customers says: "Enclosed find check cover amount of our ad, which please discontinue as the results from the same have been very surprising and we have accomplished so much by the adv. that we want to stop the flow of letters we are receiving.

MISSOULA NURSERY CO."

WE HAVE THEM
IN LARGE SUPPLY
Apple Plum Peach

Leading sorts, 15,000 Elberta alone. Right prices will be quoted on this stock, and on a general line of Nursery stock.

Address, A. C. Griesa.
MOUNT HOPE NURSERIES
LAWRENCE, KANSAS.

J. W. CROSS,

"OLD GRAMMAR SCHOOL"

WISBECH, :: ENGLAND

Orders are now being booked for the "FALL 1908" for the following :

Strawberry Plants—Royal Sovereigns, Sir Joseph Paxton, Nobles, The Laxton, Bedford Champion (new), and many varieties of the perpetual sorts.

Raspberry Canes—Baumforth Seedling, Superlative, Beehives, Norwich Wonders, Antwerps, Perfection (new). All young spawn and well rooted.

MILLIONS OF THE ABOVE TO OFFER

Gooseberry and Currants—(Red, Black, White), 1 and 2 year old. Fine, clean and healthy bushes in all best varieties.

Bulbs—Daffodils, Narcissus, Crocus, Tulips, &c., &c. TONS TO OFFER, at a very low clearance offer, to arrive at the fall of 1908. These are ALL ENGLISH GROWN at my farms.

Chrysanthemums—Rooted or unrooted cuttings, hundreds of varieties in stock. Earlies, Mid and Late.

Special low prices will be quoted for any of the above by stating requirements on application.

Write For Particulars

Address in full :

J. W. CROSS,

"OLD GRAMMAR SCHOOL"

WISBECH, :: ENGLAND

Telegrams Potatoes, Wisbeck, Eng. A.B.C. Code V. Edition.

UNIVERSITY AVENUE NURSERIES

ROCHESTER, N.Y.

We offer for spring in good stock the following desirable varieties:

Baby Dorothy Rose, 2 year field grown plants. This is a great acquisition, and the best forcing rose extant.

Pink Baby, Anny Muller. For bedding it has no equal. Color a brilliant pink and extra fine. Field grown plants.

Baby White Rambler, with perfect double flowers, sweet scented, of free growth and an acquisition. Field grown plants.

New Rose, C. F. Meyer, perfectly hardy, of strong growth, with large silvery pink flowers. A grand variety.

Lady Gay, an improved Dorothy Perkins, a better variety than it. A grand climber.

Gold Medal Peonies, in grand assortment.

Blue Bird Flowers, (veronica long. subs.) strong plants.

Clematis paniculata, 2 year field grown, good plants.

Hollyhocks, double and single, separate colors.

The New Hydrangea, arborescens, grandiflora alba, a grand hardy, extra fine shrub, very desirable.

John Charlton & Sons

ROCHESTER, N. Y.

WANTED

5000 Sugar Maple Seedlings, nursery grown, about 4-5. Young and thrifty ---well-rooted. Send for samples and prices to Drawer 1044, Rochester, N. Y.

WANTED NURSERYMEN with Families of THREE OR MORE BOYS, to go to Pacific Coast. Best climate in America. Living Cheap. Good Wages. Address O., care of NATIONAL NURSERYMEN, Rochester, New York



"Scalecide" is the only oil spray that is a combined fungicide and insecticide, controlling peach curl, brown rot, etc., while positively destroying San Jose Scale and all soft-bodied sucking insects without injury to the tree or fruit bud.

The Philadelphia Farm Journal for Nov., page 442, says that Lime-Sulphur is practically a failure in most instances and advises us to use of "SCALECIDE", as better and easier to apply.

Prof. John B. Smith of the New Jersey Experiment station in the 1906 report, page 590, says: "It is almost impossible to injure a dormant tree with "SCALECIDE" diluted in any reasonable way and successive applications do not produce a cumulative effect because no residue remains to accumulate.

Mr. C. M. Porter of Marshallville, Texas, on September 23rd, 1907, writes: "SCALECIDE" is far superior to anything in use. It has almost completely exterminated the scale. Everything considered, it is the cheapest.

You will say the same after giving "SCALECIDE" a fair trial.

DO NOT DELAY SPRAYING.

Insect enemies are constantly at work and your trees may be ruined beyond recovery by delay. Order a barrel now. 50 gallons at \$25.00 makes from 800 to 1,000 gallons of spray costing 2 1/2c to 3c per gallon anywhere east of the Mississippi and north of the Ohio Rivers. Smaller packages if desired. Drop us a postal card mentioning this paper and we will send you free sample and full information. Ask for Booklet B.

B. G. PRATT COMPANY,

Mfg. Chemists, 11 Broadway, N.Y. City.

TREES

Burbank's Creations

We are offering for the First Time
**Santa Rosa Plum, Rutland Plumcot,
 Formosa Plum, Gaviota Plum Vesu-
 vious, the Beautiful Foliage Plum,
 Royal and Paradox Walnuts**

Send for Illustrated Booklet. We are making Special
 Prices to the trade.

ROSES

Our stock of BUDDED ROSES is the best we have
 ever grown and we are offering them at prices lower than
 ever before. Write for advance wholesale price list.

NUT TREES

WALNUTS—All the leading standard varieties in
 grafted and seedling trees.

PECANS—Our stock of Seedling Pecans is very
 heavy. We offer these at prices which we are sure will
 appeal to you.

We have a full line of everything else in Fruit Trees
 and are particularly strong on BUDDED CHERRIES and
 APPLES. Catalogue mailed on application.

FANCHER CREEK NURSERIES, INC.

GEO. C. ROEDING, Pres. and Mgr.

1225 J Street

FRESNO, California

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

OFFERS ONE MILLION GRAPE VINES

One and Two Year Old for Fall, of 1907 and Spring of 1908
 Delivery.

Varieties in greatest quantity, Moore's Early, Concord and
 Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous
 roots and plenty of vine. A trial order will convince you that my
 grading, quality and price will be satisfactory. It is now my in-
 tention to make the growing of Grape Vines a specialty. Corre-
 spondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

The Largest Stock of For Fall, 1908

**CURRENTS and
 GOOSEBERRIES
 Standards,**

Worked on strong and straight Ripes
 aureum stems, you find in

B. MULLERKLEIN'S Nurseries,
KARLSTADT (Bavaria-Germany.)

Please ask for prices.

When writing to Advertisers mention the National Nurseryman.

Bridgeport Nurseries

C. M. HOBBS & SONS,

— Successors to —

ALBERTSON & HOBBS,

: BRIDGEPORT, IND. :

FOR SPRING OF 1908

PLUMS (large stock, all grades) European,
 Japan, AMERICANA, CHERRIES, PEARS, Std.
 and Dwf. (all grades), APPLE, PEACH, QUINCE,
 GRAPE, CURRANTS, SMALL FRUITS, SHADE
 TREES, ORNAMENTAL TREES, SHRUBS,
 VINES, ROSES, etc., etc. APPLE SEEDLINGS,
 FOREST SEEDLINGS, IMPORTED CHERRY,
 PEAR, PLUM SEEDLINGS.

Grafts put up to order only—

NO JOB LOTS TO OFFER

Our SPADES the cheapest and best in the market.

TRADE LIST READY FEB. 7TH

We can supply any amount of light grade pear
 cherry, apple, peach and plum.

We also have a fine lot of C. Poplar and Ornamen-
 tal plants. Unusually fine lot of Burberry, Thum-
 bergii. Special prices on light grades Fruit Trees
 Polars and Thumbergii.

WANT LISTS PRICED PROMPTLY.

You Need Them and We Have Them

WHAT?

WHY ALMOST ANYTHING IN THE WAY OF

Fruit and Ornamental Trees,

Grafted Pecans and Pears Especially.

WE CAN HANDLE LARGE ORDERS TO
 YOUR ENTIRE SATISFACTION. WRITE US

ARCADIA NURSERIES,

WHOLESALE—RETAIL.

J. H. Girardeau, Jr., Mgr.

MONTICELLO, FLA.

CHOICE ORNAMENTALS

Ask for Estimates.

HIRAM T. JONES,

Union Co. Nurseries,

Elizabeth, N. J

JAS. M. KENNEDY,

DANSVILLE, N. Y.

Nurseries at Dansville and Geneseo, N. Y.

GENERAL NURSERY STOCK,

Stand. and Dwf. Pear, Cherry, Apple, Quince and Plum,
 Fine stock, 2 yrs. old.

BUDS, BUDS, BUDS, free from San José Scale.

Pear, Plum, Cherry, Quince and Apple, can ship same day order is received.

Send your order, prices will be made satisfactory.

When writing to Advertisers mention The National Nurseryman.

SURPLUS



Bartlett Pears
Keiffer Pears
Balt. Belle Roses
Q. of Prairie Roses
Silver and Norway Maples
Am. Elms

(2 1-2 to 4 1-2 inches Caliper)



E. MOODY & SONS

LOCKPORT, N.Y.

NIAGARA NURSERIES,
 Established 1839.

MOUNT ARBOR NURSERIES

Offers for Spring 1908, one of the most complete assortments of Nursery Stock in the Country.

Apple
 Plum
 Peach
 Shade
 and
 Orna-
 mental
 Trees

A LARGE SUPPLY
 :: OF ::
 Fruit Tree Stocks
 Apple Grafts made to
 order
 Forest Tree Seed-
 lings and
 Osage Orange

Shrubs
 Vines
 Roses

Want Lists
 Priced
 Promptly

E. S. Welch

135 Center Street :: Shenandoah, Iowa

Forest Tree Seedlings.

We are now booking orders for the following forest tree seedlings, all of our own growing, well graded, in sizes given below. Write us for quotations by the thousand, or in car lots. Our prices are right; so is our stock.

Black Locust,	sizes	8-12 in.	Catalpa Speciosa,	sizes	8-12 in.
		12-18 "			12-18 "
		18-24 "			18-24 "
		2-3 ft.	Russian Mulberry,	sizes	6-8 "
		3-4 "			8-12 "
Honey Locust,	sizes	4-8 in.			12-18 "
		8-12 "	Osage Orange,	sizes	4-8 "
		12-15 "			8-12 "
Box Elder,	sizes	4-8 "			12-18 "
		8-10 "			18-24 "
		10-15 "	Black Walnut,	sizes	12-18 "
		15-24 "			18-24 "

GERMAN NURSERIES,

CARL SONDEREGGER, Prop.,

BEATRICE, NEB.

BISMARCK NURSERY

Two-year Asparagus Roots, Cottonwood and Box Elder Seedlings. Write for Prices.

WE WANT an experienced packer. Write, stating age, experience and wages expected.

Grafted Pecan Trees

THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

Surplus List of Specimen Trees

70 Alder, European 1 3/4 to 2 in. cal.	90 Elm, American 2 1/2 to 3 in. cal.
55 Alder, European 2 to 2 1/2 in. cal.	70 Elm, American 3 to 4 in. cal.
325 Ash Am. White 6 to 8 ft.	26 Elm, American 4 to 5 in. cal.
110 Ash Am. White 8 to 10 ft.	These elms were transplanted 3
35 Ash Am. White 10 to 12 ft.	years ago and have a fine root system
750 Catalpa Speciosa 1 1/2 to 2 in. cal.	and uniform tops.
60 Cypress, Deciduous 6 to 8 ft.	148 Butternut 6 to 8 ft.
105 Elm, cork barked 8 to 10 ft.	50 Butternut 8 to 10 ft.
60 Elm, cork barked 10 to 12 ft.	45 Black Walnut 6 to 8 ft.
900 Mulberry, Russian 6 to 8 ft.	36 Black Walnut 8 to 10 ft.
200 Liquid Amber 6 to 8 ft.	2100 Maple, Silver 8 to 10 ft.
170 Elm, American 2 to 2 1/2 in. cal.	850 Maple, Silver 1 1/2 to 1 3/4 in. cal.

This stock was grown for our regular retail trade and are perfect specimens of their respective types. We will quote special low prices for early orders.

The Cassel Nursery Company
 CLEVELAND, OHIO

HOUGHTON GOOSEBERRY
 Strong Two-year Plants Ready for Shipment

OSCAR H. WILL & CO.
 BISMARCK, N. D.

PEACH SEED

We have a limited supply of natural Virginia Seed of 1907 that we can offer you at a reasonable price also 1906 Crop.

MILTON SEED CO. 723 S. Milton Ave.
 BALTIMORE, MD.



EVERYTHING IN

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

EUONYMUS

Radicans 1--1 1-2 ft. and 2--2 1-2 ft.

ATTRACTIVE PRICES.

Brae-Burn Nursery - - West Newton, Mass.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.
Headquarters for London Planes, Tilia dasystylla. Dutch
Elms in extra fine specimens. Hydrangea paniculata grandiflora. Silver variegated Maples.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

THE CURETON NURSERIES AUSTELL, GA.

OFFER FOR FALL AND WINTER SHIPMENT.

3 yr. Pecan, 1 and 2 yr. English and Black Walnut Trees. Year old and
June Bud Peach, 1 and 2 yr. Apple, Pear, Plum, Cherry, Quince, Hicks Mul-
berry, Brown Turkey Fig, Grapevines, Carolina Poplar, Catalpa, Box Elder,
Am. Linden, Magnolia Grandiflora, Forest Trees, Amoor River Privet, Roses,
Spruce, Arborvitae, Pines, &c., &c. I also offer a few bushels of PEACH
SEED, CAR. POPLAR and AMOOR RIVER PRIVET CUTTINGS.

Everything fine, clean and healthy. Satisfaction guaranteed.

JAMES CURETON, Proprietor.

Winfield Nursery Co.

Winfield, Kansas.

OFFER

Peach Seed, 50 bushels	
Black Locust, 3-4 ft.	53000
2-3 ft.	130000
18-24 in.	535000
12-18 in.	325000
6-12 in.	240000
Mahaleb, French, 5-9 mm.	100000
5-8 mm.	46000
4-6 mm.	100000
Mahaleb, home grown extra heavy	111000
5-8 mm.	227500
4-5 mm.	182300
2-4 sold	
Myrabolen French, 4-5 mm.	3000
Myrabolen Home, 7-10 mm.	5000
5-7 mm.	5000
4-5 mm.	7000
French Pear, 6-10 mm.	50000
5-7 mm.	45000
Japan Pear, No. 1 3-16 in.	16500
Quince (Anger) 5-7	30000
Apple, French Crab, 3-16 in. br.	25000
3-16 in. St.	25000
No. 2, 3-16 in. br.	30000
3-16 in. St.	295000
Cherry two years old, 3/4 in. and up	2000
5/8-3/4 in.	8000

Varieties—Dyehouse, Early Richmond, English
Morello, Montmorency, May Duke, Ostheim and Wragg.

ALSO SHADE TREES IN CAR LOTS.

WINFIELD NURSERY COMPANY,

PAN HANDLE NURSERIES,

GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALERS' COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

LABELS FOR NURSERYMEN.

THE BENJAMIN CHASE CO., Derry, N. H.

LEVAVASSEUR & SONS

NURSERIES AT USSY and ORLEANS, FRANCE.

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing.
Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of
wants for prices before buying elsewhere.

When writing to Advertisers mention The National Nurseryman.

R. C. PETERS & SONS

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,
OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

THE FRASER NURSERY,

JOHN FRASER, Proprietor

HUNTSVILLE, ALA.

Our Stock for Spring, 1908, includes choice blocks of Cherry, Standard Pear, Quince and June Budded Peach in large grades. We will also have a good supply of assorted Roses and Magnolia Grandiflora. Will be pleased to quote prices now on any of these items. We invite correspondence for special budding, from buyers of Peach and Plum.

BOX STRAPS

Any Lengths up to 63 Inches.

Light, soft, strong, cheap, convenient. Eight straps 12 inches long cost one cent. We sell 300 nurserymen.
Write for price list.

WARD-DICKEY STEEL CO.

INDIANA HARBOR, IND.

MANUFACTURERS OF PLANISHED SHEET STEEL.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach, in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

Established 1874

Capital and Surplus \$100,000.00

In the Heart of the Great Southwest

Our long growing season gives wonderful development, our shipping season great advantages.

Largest and best assorted stock in the South.

Teas Weeping Mulberry, Bungeii Catalpa, Roses, etc., in large supply and best values.

Our Trade List on application. Orders booked now for Fall or Spring delivery. Car lots a specialty.

Address, Texas Nursery Company
SHERMAN, TEXAS

Charles Détriché, Senior

ANGERS, FRANCE.

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.,

NEWARK, N. Y.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,

Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED

The most complete assortment of Ornamental Stocks, Trees and Shrubs.

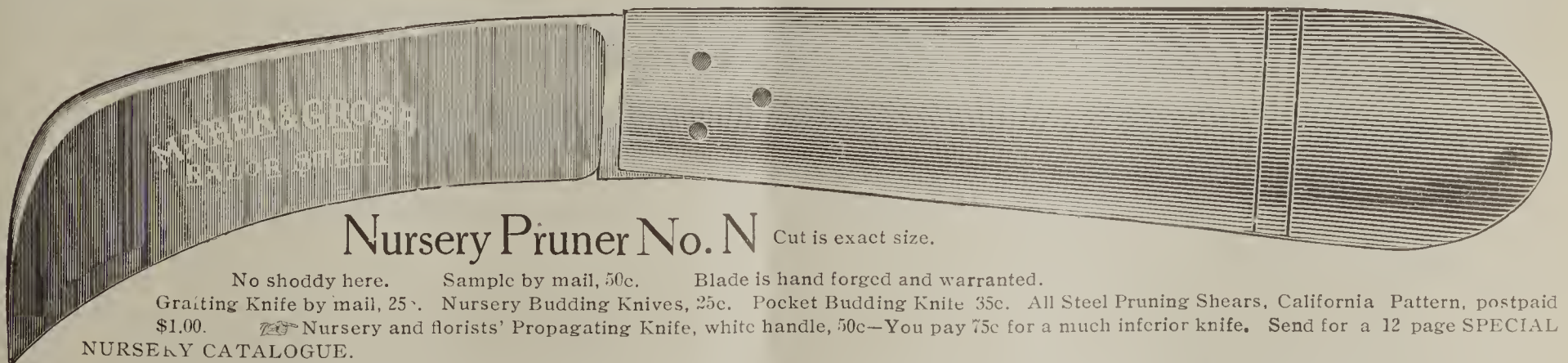
Geo. E. Dickinson, 1 Broadway, N. Y.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Allow me an opportunity to figure on your wants. A postal will bring you a list of the best varieties.



Nursery Pruner No. N Cut is exact size.

No shoddy here.

Sample by mail, 50c.

Blade is hand forged and warranted.

Grafting Knife by mail, 25c.

Nursery Budding Knives, 25c.

Pocket Budding Knife 35c.

All Steel Pruning Shears, California Pattern, postpaid \$1.00.

Nursery and florists' Propagating Knife, white handle, 50c—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERY CATALOGUE.

MAHER & GROSH CO., 90 A Street, TOLEDO, OHIO.

When writing to Advertisers mention The National Nurseryman.

CONRAD APPEL, Darmstadt, Germany

Established 1789.

Forest and Agricultural Seed Establishments

Extensive Desiccating Establishments for Forest Tree Seeds.

SPECIALTIES: High Grade EVERGREEN AND DECIDUOUS TREE SEEDS such as Scotch Fir, Spruce, Larch, Weymouth Pine, Austrian Pine, Beech, Black Locust, Honey Locust, Norway Maple, Hornbeam, Elm, FRUIT TREE SEEDS.

NATURAL GRASS, CLOVER AND AGRICULTURAL SEEDS, GRASS SEED MIXTURES.

Last Award World's Fair, Milan, 1906, Grand Prize.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch nursery in Monticello, Florida.

H. M. SIMPSON & SONS,
Vincennes, Indiana.

Black Locust Seedlings

We have still on hand a fine lot of well matured and well rooted Black Locust Seedlings in single thousand or car lots. Also a few thousand Mulberry, Osage and Honey Locust. Let us price your wants in this line. CATALPA Seedlings sold.

J. A. GAGE, Beatrice, Nebr.

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY.

We are pleased to announce that we will have our usual supply of Cherry, One and Two Year, that promise very fine.

While we grow Cherry in larger quantities than any other Stock, we also have a very complete line of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade Trees, etc.

CAR LOAD LOTS A SPECIALTY.

MARYLAND PEACH SEED

We have on hand a limited quantity of mixed varieties of Peach seed which we offer at reasonable prices.. Write us for samples.

THE GROWERS SUPPLY CO.

119 S. CHARLES ST., BALTIMORE, MD.

Warehouse, 1st Ave. and 8th st.

4,000,000 PEACH TREES.

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

BALTIMORE NURSERIES

Franklin Davis Nursery Company
BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list

W. FROMOW & SONS, Windlesham, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine line of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1907, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER
NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES.

We also have on hand a
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

For Spring
1 9 0 8



¶ We have a good surplus of small
peach, 3 to 4 ft. and 2 to 3 ft. grades,
all good varieties; also Keiffer pear, all
grades, Strawberry plants, Carolina
Poplar.

¶ Write for estimates on your list of
wants.



Southern Nursery Co.
WINCHESTER, TENN.

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery
WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices
can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN and
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.
MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.
Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other
AMERICAN PLANTS.

(A good stock of all hardy varieties of
Rhododendrons).

CLEMATIS and other HARDY CLIMBING
PLANTS.

Transplanted FOREST TREES.

The stock is in excellent condition.
Large quantities shipped annually.

WHOLESALE CATALOGUE ON APPLICATION.

Established 1780.

Andre Leroy Nurseries

BRAULT & SON, DIRECTORS,

ANGERS, FRANCE,

are now booking orders for

SEASON, 1907-1908.

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,
105-107 Hudson Street :: :: New York City.

TWO HUNDRED ACRES
FIELD GROWN ROSES

Own Root—Leading Varieties

SHRUBS, JAPANESE IRIS, PAEONIES

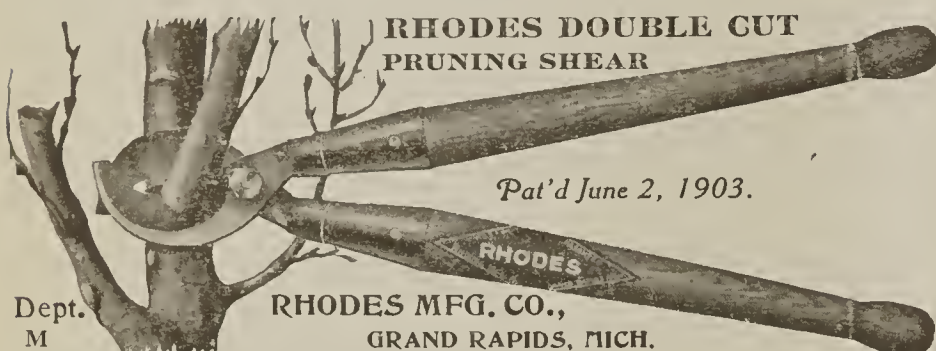
In Thousand or Car Lots

THE UNITED STATES NURSERY CO.
RICH, MISS.

Nurserymen and Orchardists

If you want the best, cheapest, easiest applied and longest lasting protection against Rabbits, Mice, Borers, San Jose Scale, etc., also an absolute never failing cure and preventive for Pear Blight, write to R. Warnock & Co., Independence, Mo., for their 21 page Booklet. We invite the most thorough investigation.

R. WARNOCK & CO., Independence, Mo.



THE ONLY PRUNER with blade that cuts from Both Sides of the Limb and does not bruise the bark. Made in all styles and sizes. We pay express charges on all orders. Write for circular and prices.

The Westminster Nursery

J. E. Stoner, Prop. - - Westminster, Md.

I offer to the trade a good supply of Peach, Raspberry, Strawberry and 1 and 2 yr. Asparagus Plants, also a good supply of Carolina Poplars, from 6 to 15 ft.

WANTED, lowest prices on first class Apple Trees for early spring shipment.

About 50 Bushel Peach Seeds, Va. Naturals, Crop 1907, at Low Price.

Colombe-Lenault-Huet, NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreen, Roses and Conifers.

CATALOGUE FREE. VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

Peach Seed For Sale

WRITE

THOS. R. HAMAN, 1614 Oliver St., Baltimore, Md.

GET OUR PRICES ON 5 Red Emperor Grapes. Largest Table Grapes Grown in California. We tell how to grow this grape in any Climate. Large Souvenir Catalogue showing largest tree in the World Free.
Address: **The Fresno Nursery,**

Box P. P. 42 Fresno, California.

Largest Growers of grape Vines in the United States.

... WANTED ...

FOREMAN, a man competent to grow a full line of fruit and ornamental stocks to take charge March 1st of a nursery just incorporated. Must be experienced and good grower; a man who can show results. Give references, experience, etc.

The Corn Belt Nursery & Forestry Association,
Bloomington, Ill.

When writing to Advertisers mention the National Nurseryman.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

WANTED one or two experienced Nursery hands, not afraid of work, and who can take charge of help.

MONTANA NURSERY CO.,
BILLINGS, MONT.

FOR SALE

I have a client in the Retail Nursery Business who will move West in August 1908 and desires to dispose of his business here amounting to \$70,000 this year and which will for the fall 1908 and spring 1909 with proper management amount to \$100,000. He will sell this business in June and guarantee to turn it over to the buyer, averaging \$1500 to \$2000 weekly. If interested,

Address X,

CARE OF NATIONAL NURSERYMAN
ROCHESTER, N.Y.

Nursery Agency==Manager

Man of experience and ability as Nursery Salesman, with practical and original ideas of agency management, wants correspondence with first class nursery with view to organizing and conducting agency department. Address,

CHAS. COUCH, Schoharie, N. Y.

NURSERYMAN WANTED

To take charge of Nursery Farm No. 3, twenty acres. He must be a propagator, budder, and grafter of experience. Give references, state wages and size of family.

GREEN'S NURSERY CO., Rochester, N. Y.

WANTED

Young man familiar with ornamental nursery stock and who has had experience in fruit tree nurseries and understands grafting and budding---used to handling help. Permanent position to man of ability. State age, reference and salary wanted.

Address: **C. B. C.,**

Care of National Nurseryman.

Rochester, N.Y.

WE HAVE

500,000 Black Locust 12-18 Inches

which we will exchange for large and small fruit, ornamentals, etc.

GALBRAITH NURSERIES, Fairbury, Neb.

McHutchison & Co.

17 Murray Street, NEW YORK CITY

Representing in
United States and Canada

**VINCENT LEBRETON,
ANGERS, FRANCE,**

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Own Cultures Exceed 20,000,000 Stocks.

Write for special prices, lists, catalog, etc.

**SCHAUM & VAN TOL,
Boskoop, Holland,**

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special prices, lists, catalog, etc.

**UNION NURSERIES,
Oudenbosch, Holland,**

(H. W. Van Der Bom, Director).

SYNDICATE OF PRINCIPAL GROWERS
OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

We are direct importers of
ENGLISH MANETTI, RHODODENDRONS, Etc.
JAPANESE NURSERY STOCK, MAPLES,
SCIADOPITYS, TREE PAEONIES,
THOYA, JAP. BULBS, Etc.

RAFFIA, Red Star Brand.

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY.

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

**McHUTCHISON & CO.
17 Murray St., NEW YORK.**

DREER SPECIALTIES

Hardy Perennials in immense quantities and greatest assortment—Japanese Anemones, Aquilegias, Hardy Asters, Campanulas, Hardy Chrysanthemums, Delphiniums, Hardy Grasses, Hemerocalis, Heleniums, Helianthus, Hollyhocks, Japanese and German Iris, Lychnis, Paeonies, Phloxes, Hardy Pinks, Primulas, Pyrethrums, Rudbeckias, Thalictrums, Tritomas, Veronicas—in fact everything in the Hardy Perennial line worth growing.

Decorative Plants—Palms, Ferns, Ficus, Pandanus, Araucarias, Dracaenas, etc.

Hardy Decorative Plants—Aucubas, Box-wood and Bay Trees in all shapes and sizes; a large assortment.

Dahlias—Over a quarter of a million strong field-grown roots in stock in over 200 varieties in Cactus, Show, Fancy, Decorative, Paeonia-flowered, Pompone, Single and Century types.

Hardy Climbers—Ampelopsis, Bignonias, Aristolochias, Akebias, Clematis, Honeysuckles, Hardy Ivies, Wistarias, etc.

Bulbs—Amaryllis, Begonias, Caladiums, Gladiolus, Lilies, Tigridias, Tuberoses, etc., etc.

All of the above as well as other seasonable stock is fully described in our Wholesale List issued quarterly.

HENRY A. DREER

714 Chestnut Street, Philadelphia, Pa.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO.

Offers for Spring '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 1 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

WOOD LABELS

FOR NURSEYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

FRUIT TREES

CAROLINA POPLARS BLACK WALNUTS
PRAEPARTURIEN WALNUTS
GRAPES ASPARAGUS
AUSTRALIAN WINTER RHUBARB--Myatts Linnaeus
BERRIES--Phenomenal, Himalaya Giant and Mammoth Blackberries and Raspberries. Large Assortment.
CHICO NURSERY CO. CHICO, California

FOR SALE---1600 5-8 to 3-4
Salway Peach
Trees, 3400 1-2 to 5-8 Salway Peach Trees.

Very fine in every respect. Would exchange for 2 yr. 5-8 apple. **A. HAMILTON & SONS, Bangor, Mich.**

Two hundred and fifty thousand Amoor River Privet, Ligustrum Amurense. Ours is the true variety, 2½ to 3 feet, strong field grown plants.

PETER'S NURSERY COMPANY
KNOXVILLE, TENNESSEE

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,
10,000 Peach, 1 year, 1 to 2 feet,
10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
50,000 Peach, June Buds, 18 to 24 inches.
1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON, Bridgeville, Del.

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1
inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere. Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

If
what
when
like

U

want
want
want
want



ROSES

on own roots, summer grown, winter rested, for lining out,
send want list to—

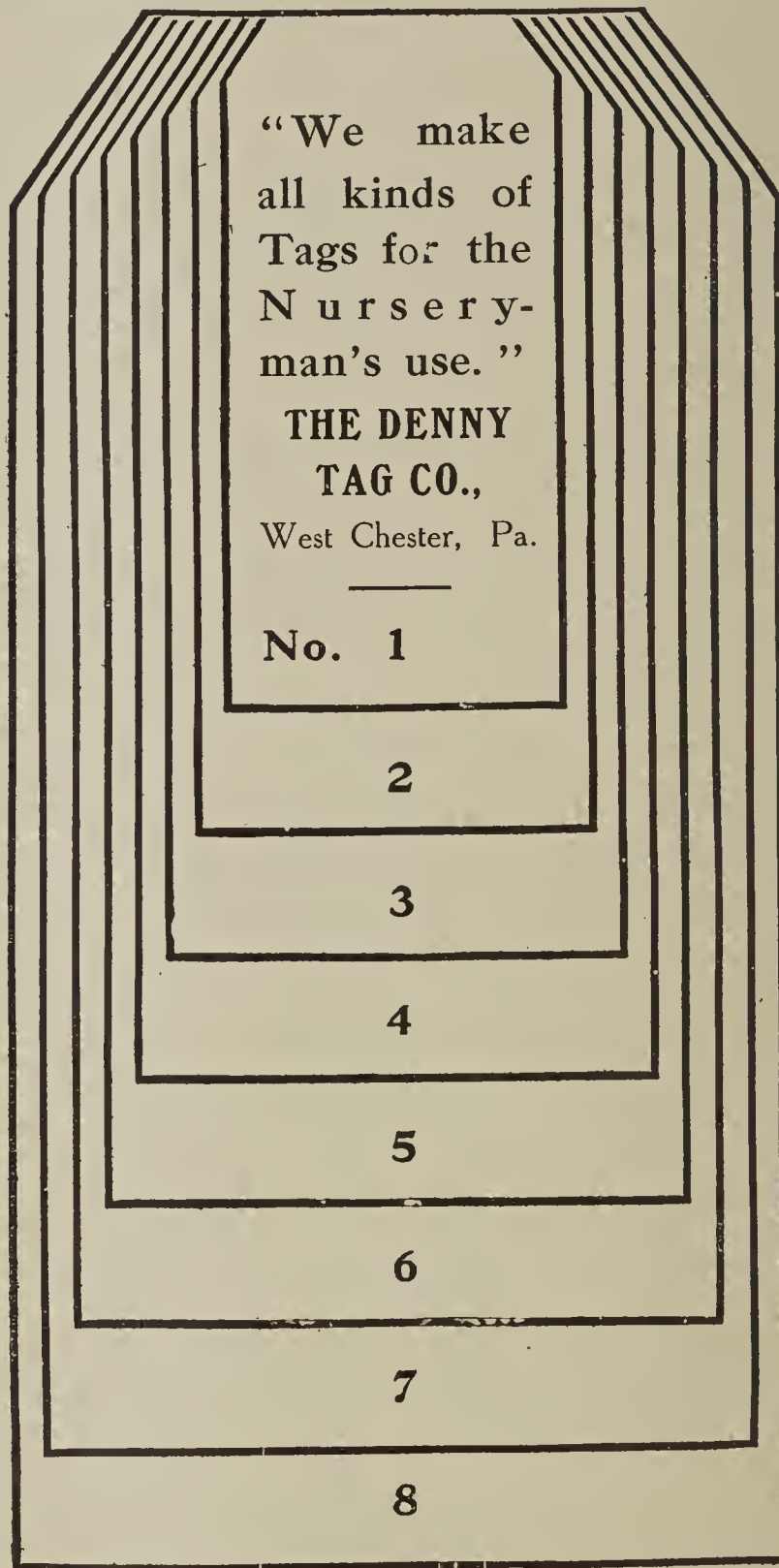
400 Varieties

THE **LEEDLE** FLORAL COMPANY
SPRINGFIELD, OHIO

We Make a Specialty of the Manufacture of
WATERPROOF SHIPPING TAGS AND TREE LABELS

"They will stand the weather."

THE DENNY TAG CO., West Chester, Pa.



LEVAVASSEUR & SONS

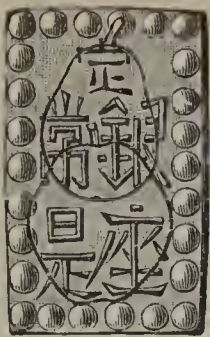
Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to

HERMAN BERKHAN, Sole Agent, 133 Reade Street, New York

Sole Agent for United States and Canada

When writing to Advertisers mention The National Nurseryman.



HEIKES'--HUNTSVILLE--TREES
HUNTSVILLE
Wholesale Nurseries
HUNTSVILLE, ALA.

We offer for Fall of 1907 and Spring of 1908, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock of two years old for the Fall of 1905 and Spring of 1906 counted up 250,000, and all were sold. Our stock for the coming season will exceed that of last, and our prices will be reasonable.

PEARS, Assorted, Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Alamo, Bartlett, Smith's, Garber, Duchess d'Angoleme, Seckel, Flemish Beauty, Kieffer, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler and Marechal Neil. See Our Price List for Particulars.

WORLD'S FAIR—We were awarded a Grand Prize, a Gold Medal and a Silver Medal on our exhibits at the World's Fair, St. Louis.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

Nebraska Grown

AMERICAN PLUM, EUROPEAN PLUM,
APPLE, PEAR, PEACH AND CHERRY
TREES. ♣ ♣ ♣ ♣ ♣ ♣ ♣ ♣ ♣

Large Stock of Shade and
Ornamental Trees, Snow-
ball, Syringa Spirea,
Deutzia, etc. Forest Tree
Seedlings well graded and
prices right. :: :: ::

Send list of wants to

YOUNGERS & CO.

GENEVA, NEBR.

HARDY Herbaceous Plants

We have many acres of these
Now Popular Old Fashioned
Flowers. Will be glad to give
Special Prices on Quantities ♣ ♣

PICEA PUNGENS GLAUCA KOSTERI THE TRUE BLUE SPRUCE

We have a fine collection of well-formed specimens, all
grafted plants, from 12 inches to 6 feet high.

Also handsome specimens of

WEeping BLUE SPRUCE.

Choice Evergreens in the Finest Varieties
JAPANESE MAPLES

Ask for catalogue.

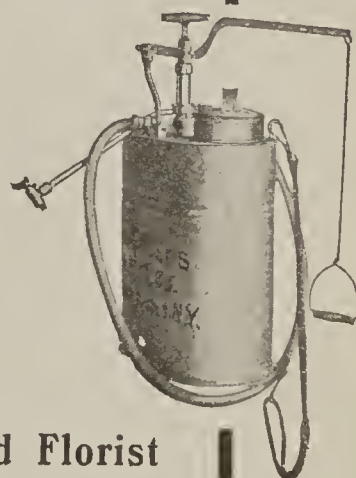
We are always pleased to receive visitors.

BOBBINK & ATKINS,
Nurserymen and Florists,
RUTHERFORD, N. J.

COMPARE

Goulds Sprayers

with others — notice the
difference in weight, the
seamless Brass Cylinders
and large Air Chambers—
the ease with which all
working parts can be
reached, and you will be
convinced that they are
superior to any.



Every Nurseryman and Florist

SHOULD HAVE A COPY
OF OUR NEW BOOK

"How to Spray—When to Spray
and What Sprayers to Use."



It contains many for-
mulas for preparing
spray mixtures—when
to apply them—and
describes our com-
plete line of Hand and
Power Sprayers. Sent
free on application.

The Goulds Mfg. Co

Seneca Falls, N. Y.

New York, 16 Murray Street

NATIVE RHODODENDRON

I have control of several thousand acres of Mountain land covered with Rhododendrons and am in a position to get these out on reasonable terms. Address, . . .

JOHN A. YOUNG, Nurseryman, GREENSBORO, N. C.

FOR SALE ONE THOMAS TREE
BALER, practically NEW,
has never been used, which we will sell at a Very Low
Price. Also one Bragg's Tree Digger. Address
LOCK BOX 220, GENEVA, N. Y.

WHITE PINES

4,000 Pinus strobus for
spring shipment. Sizes,
2 to 6 ft. Special price
in car lots.

HARLAN P. KELSEY,
SALEM, MASS.

Wanted Position as Sales Manager or Cor-
respondent by experienced
office man on salary, or salary and participation basis. Conversant
with complete system for conducting retail nursery agency business,
from securing salesmen to collecting accounts.

Nurseryman, care NATIONAL NURSERYMAN.
ROCHESTER, N. Y.

Victor Détriché, Nurseryman
ANGERS, FRANCE.

Grower and Exporter of FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Maz-
zard, Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora,
Forest Trees, Ornamental Shrubs and Evergreens, Conifers and
Roses.

Catalogue and prices free on application.
Write direct, I have no agent.

Grape

All Old and New Varieties

Immense Stock Warranted True

QUALITY UNSURPASSED.

Catalogue and Price List Free.

Send list of wants for lowest prices
f. o. b. here.

An extra fine stock and full assortment of
varieties of CURRANTS and GOOSE-
BERRIES; also BLACKBERRY ROOT
CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO
CROP 1907 (SUN DRIED) FINE SHAPE. CROP
SHORT. ORDER AT ONCE. FIRST COME, FIRST
SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

OUR SPECIALTY

Burbank's Wonderful Winter Rhubarb

Plant any time from September till May. Headquarters
for California Fruits and Berries. Write for quotations on
your needs.

Peach Seed in Car Lots.

WAGNER'S NURSERY, Pasadena, Cal.

Dept. A.

ESTABLISHED 1859

PEACH SEED

We have yet in hand several hundred bushels of choice Peach Seed, all crop
of 1907, which we offer at liberal prices and terms for immediate delivery, or for
spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md,

BOX 451.

Phone St. Paul "4382"

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all sizes
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for **WHOLESALE**
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER AND CO., Successors, Orleans, France

When writing to Advertisers mention The National Nurseryman.

Specialties for Nurserymen and Fruit Growers

THE SPEER GRAFTING MACHINE,

Thomas Tree Balers, Box Clamps, Bud Transplanter,
for Pecans, Walnuts, Chestnuts, Japan Plums, Figs, etc.

BRAGG TREE DIGGER, BEST SPADE, BEST CUTAWAY DISC AND CULTIVATING HARROWS,

to put ground in shape for planting. Other good things for nurserymen, fruit-growers or orchardists. Send for catalogue, etc.

E. G. MENDENHALL, General Agent.
Box 316 KINMUNDY, ILL.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:
200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamele's Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yuca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Frutosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.
At lowest prices. Send for trade list.

FOREST NURSERY AND SEED CO.
R. F. D. 2., McMinnville, Tennessee

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including
Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses,
Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

The Willadean Nurseries

OFFER FOR SPRIG 1908.

A very complete assortment of Fruit, Shade and Ornamental
Trees, Shrubs, Roses, Evergreens, Small Fruit and Herba-
ceous Plants, Forest Tree Seedlings in large quantities, in-
cluding Catalpa Speciosa (genuine) for commercial Forest
planting. Tree seeds of all kinds in season. Special prices
quoted on the following trees: Tulip, Poplar, Catalpa Speci-
osa, Am. Sycamore, Am. Linden, Green Ash, Eup. Mt. Ash
and Oak Leaf Ash, Am. Elm, Red, White, Swamp and Burr
Oak from 5 to 12 feet. Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

Goossens & Hellemons, Oudenbosch, Holland

(Formerly C. ESCHWEILER)

Growers of Hardy Ornamentals, Forest and Avenue Trees, Conifers, Evergreens and Shrubs; also a fine line of assort-
ed Seedlings, at reasonable cost; Supply only A 1 QUALITY! For New Trade List, now issued, Address the American
Agents:

August Rölker & Sons, New York, P. O. Box 752 or 31 Barclay Street

When writing to Advertisers mention the National Nurseryman.

Fruit Tree Seeds

FRENCH CRAB and PEAR are very scarce. We do not expect to have enough to meet the demand. Of course, those who order early will be given first choice. Write NOW.

MYROBOLAN PLUM. We collected a limited amount of first class seed. Not any too much for our custom-
ary sales, so better speak promptly if you intend to order. Sample free.

MAHALEB CHERRY. Fine as we have ever col-
lected. There's a little secret why our seed is so much better
than most of that imported, but it's RESULTS you want
and not the secret. Ask for free sample, and note the
splendid germinating condition. Order early.

KIEFFER PEAR. Fresh, plump seed. Cured on our
nursery by our special method. Write before supply is sold.

Manetti Rose Stocks.

Medium grade for grafting. Also larger budding size for
nurserymen. Thrifty and well rooted.

Young Plants for Lining Out.

List is ready. Ask for a copy and order while the assort-
ment is complete. Stock is for Spring shipment, but unless
you order NOW, you cannot expect to get the choice items.
In view of the stockiness and vigor of the plants, our prices
are remarkably low. They represent an excellent investment.
You cannot afford to be without this list. Write us TO-DAY.

Thos. Meehan & Sons, Inc.

Seedsman and Wholesale Nurserymen.

Dreshertown, Box T, Pa.

APPLE SCIONS

Write for prices.

We also offer a large stock of *Apple, Arbor Vitae* in variety,
*Evergreens, Shrubs, Deciduous Orna-
mental Trees, Peonies, etc.*

Write for Price List.

Wild Bros. Nursery Co., :: Sarcoxie, Mo.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy
Azaleas, Paeonies, Magnolias, Box Trees, Fancy Con-
ifers, Hydrangeas and Shrubs, our specialties at our
HOLLAND NURSERIES. Some of the goods on
hand here during the packing season.

**BLACK LOCUST, HARDY CATALPA, RUS. MUL-
BERRY, HONEY LOCUST AND OSAGE SEEDLINGS**
by the 1000 or car lots.

Send us a list of your wants and don't buy until you have
our prices.

C. M. HURLBURT, Mgr.

FAIRBURY, NEBR.

Viburnum Plicatum

We have a large stock of this valuable shrub in all sizes.

Pin and Red Oaks

Of all sizes from four to sixteen feet.

We offer one of the largest collections of Ornamental Stock in the country.

Japan Plums

All varieties, largely of Abundance and Burbank.

SEND US YOUR LIST OF WANTS.

HOPES BRO. & THOMAS COMPANY,
West Chester, Penna.

Philadelphia Office
220, 222, 224 Stephen Girard Building

Established 1853

Climbing Roses One and Two Year Plants, also a fine Stock of Clematis in three grades of the following Varieties: JACK, HENRYII, and EDWARDS ANDRE.

Get my prices.

P. W. Butler, EAST PENFIELD, NEW YORK

ESTABLISHED 1868

F. W. MENERAY CRESCENT NURSERY CO.

Council Bluffs, Iowa

INCORPORATED

Large stock of Apple and Crab for Spring 1908, also Cherry, Plum, Pear, Gooseberry, Deciduous Trees and Ornamental Shrubs.

Write for prices on one or more cars of Apple.
Large growers of Paeonies, 90 Varieties.

NURSEYRYMEN IN THE SOUTH-WEST SHOULD GROW A STOCK OF

PISTACHE OR (Pistacia vera) GREEN ALMOND

Tree strikingly ornamental: 1 yr. seedlings, 6-12 inches. Nuts very valuable; perfectly hardy in Northern California.

CALIFORNIA GROWN PECANS.

1 yr. seedlings, 8-12 inches, from trees bearing immense crops annually of superior soft-shell nuts. Whether as direct producers, or as stock for grafting, this strain will be found of exceptional vigor. Prices are right, as our stock is large.

LEONARD COATES NURSERY CO., INC.

Morganhill, Santa Clara Co., California.

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees, Seeds.

Specialties Black and Honey Locust, Mulberry, Myrobolans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.

Correspondence Solicited.

Catalogue and Prices Free on Application.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVEDOS, FRANCE

A general assortment of Fruit Tree Stocks such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada, C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

FOR SALE

A block of good dividend paying stock in retail nursery.
Gilt Edge investment and will double in short time.

BOX 125, SHERMANVILLE, PA.

L. F. Dintelmann, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolae, Cannas and Dahlias.

Nurserymen Should Try My Simplex Tree Baler
IT DOES THE WORK. PRICE \$16.00.

When writing to Advertisers mention The National Nurseryman.

Forest Trees

Seedlings and Transpl, very cheap.

Millions of Alder, Maple, Sycamore, Birch, Beech, Hornbeam, Hazel, Common Ash, American Ash, Black Walnut, Privet, Canadian Poplar, Black Cherry, Common Oak, Red Oak, Pin Oak, Acacia, Sweet Briar, Limes, Thorn Quicks, Elm, Red Cedar, Abies, Arizonica, Silver Fir, Spruce Fir, Blue Spruce, Sitka Spruce, Bank's Pine, White Pine, Scotch Fir, American Arborvitae, Europ and Japan Larch, Douglas Fir, etc., etc.

Apple and Pear Stocks, Briars, and other Stocks, ready for grafting, Transplanting, a specialty. All from sandy soil with excellent roots. Special prices for larger quantities. Best shipping facilities, via Hamburg, at lowest freight, Catalogues free. The largest nurseries in Germany. Shipments of 150 millions plants annually.

Halstenbek, Germany, is the centre of vast nursery interests in Europe, which supply immense quantities of Forest Trees and other Nursery Stocks.

J. HEINS' SONS,

Halstenbek No. 26, nr. Hamburg (Germany)

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Pleased to price
your list of wants
or to show you
our stock. Special
inducements
on car lots.

If you have not
received our fiftieth anniversary
descriptive catalog, send for it,
Catalogs and
Price Lists free.



Tulip Tree.

Roses — Hybrid
Perpetual,
Ramblers, Climbers,
Etc., in large
supply.

Our, green
houses in addition
to regular
stock of Pot and
Bedding Plants
have a fine lot of
Decorative
Stock. Palms,
Ferns, Araucarias,
etc.

53 Years.

1200 Acres.

44 Greenhouses.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO

HARDY ROSES

American Grown.

Superior to Imported.

We have unsold at the present time the following varieties, ALL FIELD GROWN PLANTS, grown in our nurseries at Rochester, N. Y.

Anne de Diesbach
Clio
Frau Karl Druschki
General Jacqueminot
John Hopper
Mme. G. Luizet

Marshall P. Wilder
Mrs. John Laing
Paul Neyron
Prince Camille
Ulrich Brunner

Crimson Rambler
White Rambler
Yellow Rambler
Philadelphia Rambler
Common Sweet Briar
Mme. G. Bruant
Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

Ellwanger & Barry,

Mount Hope Nurseries, :: Rochester, N. Y.

Five Good Reasons

(COUNT 'EM YOURSELF)

Why we should have your order for APPLE SEED



1. Because we offer you your choice of Vermont or French Seed.
2. Because it's saved and handled by people who *know how*; and the "know how" often means the crop or the lack of one.
3. Because it's *fresh seed*—1907 crop—very scarce.
4. Because it's showing mighty poor judgment to plant old seed.
5. *Especially*—when the *new* crop can be had for the *same money*!

In fact, our price is so low we are not allowed to print it here; but we will gladly send offers, and a sample of the seed, if wanted, to all interested in *getting a crop* of Apple Seedlings this fall.

JACKSON & PERKINS CO.

NEWARK, N. Y.

The Geneva Nursery

Established 1846.

HEADQUARTERS FOR

ORNAMENTAL TREES—Cut Leaved, Weeping and Common Birch, Elms, Horse Chestnut, Norway, Silver and Sugar Maple, Lindens, Poplars, Evergreens.

SUPERB COLLECTION OF

Shrubs, Roses, Clematis, Phlox.

FULL ASSORTMENT IN

Apples, Pears, Plums, Cherries, Quinces, Currants, Gooseberries, Raspberries, etc.

SPECIALTIES

PAEONIES—Large assortment of named varieties.

SPIREA VAN HOUTTE,

BARBERRY THUNBERGII,

TARTARIAN HONEYSUCKLE.

Fall trade list on application.

Special attention to dealer's complete lists.

W. & T. SMITH CO.

Geneva, New York.

When writing to Advertisers mention The National Nurseryman.

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA
MEEHANII

(Hibiscus Syriacus)
(New variegated single flowering Althaea).

Field grown
DOROTHY

PERKINS,

CRIMSON

RAMBLER,

and MARIE

PAVIE Roses.

AZALEA

INDICA,

CAMELLIA,

MAGNOLIA

grfl.,

WIER'S

MAPLE,

TEAS,

MULBERRY,

TULIP

POPLARS,

all first class.

Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

FRENCH FRUIT TREE STOCKS

Assortments are now complete, including

APPLE CHERRY PLUM AND PEAR.

Number one, two and three

MANETTI AND QUINCE STOCKS

Number one and two

AMERICAN APPLE SEEDLINGS.

All grades,

APPLE GRAFTS, PIECE AND WHOLE ROOT

Large general nursery stock,

Prices Promptly made.

SHENANDOAH NURSERIES

D. S. Lake, Prop.,
SHENANDOAH, IOWA.

The Protumna

The Acme of Simplicity
in
Spraying Machines



Gas Sprayer

Most Practical Sprayer
for
Nursery Use

Effective, Economical, Light, Durable

Write for Special Introductory Offer

American Horticultural Distributing Co.

Manufacturers of "Target Brand"

Box 714

MARTINSBURG, W. VA.

When writing to Advertisers mention The National Nurseryman.

Young Plants for Lining Out

New price list just out. This, our Annual Offering, is too well-known among nurserymen to need comment here. As usual the important point is to *place your order early while stock and sizes are complete.*

These plants are of the usual high quality—healthy, stocky and well-rooted—and represent a mighty good investment for the nurseryman. A season's growth sends their value far above our present price. The list is at least worth having. *Do it now* or the other fellow may get just what you want. Remember—ORDER EARLY.

'Red Star' Raffia

So sure are we of its uniform, good quality that should any prove otherwise we will replace it. *We assume all risk.* 'Red Star' brand is the best for the money. Sample free.

Manetti Rose Stocks

in two sizes. Big, stocky budding grade for nurserymen and a nice medium grade for florists. Well-rooted, healthy and first class in every way.

Fruit Tree Seeds

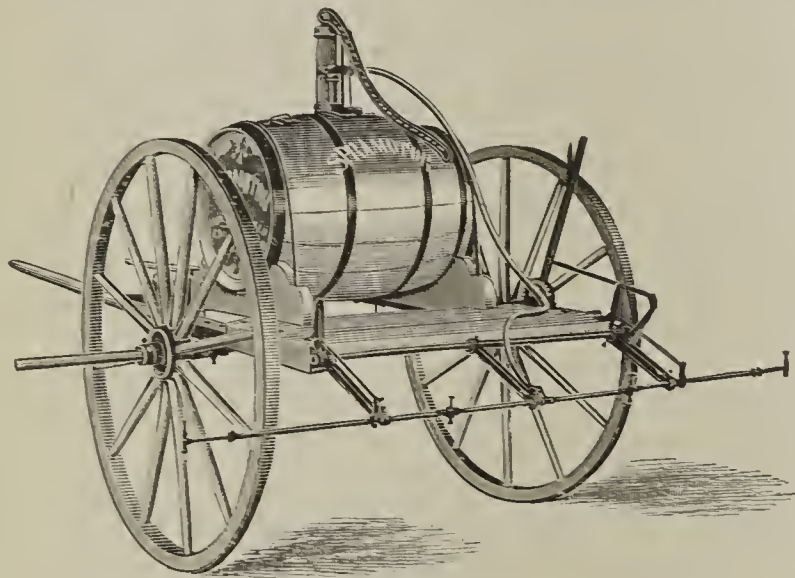
We exercise the greatest care to procure the very best quality available. At present we offer, *subject to being unsold upon receipt of orders*, Kieffer and French Pear, Apple, Mahaleb Cherry, Myrobalan Plum and Quince. Speak promptly. Sample free on request.

Thos. Meehan & Sons, Inc.

Wholesale Nurserymen and Seedsmen.

Box T,

Dreshertown, Pa.



THIS IS THE HAND SPRAMOTOR

No. 1 or No. 2

Mounted on a 2-wheel cart. Has 52" wood wheel with iron hub, cold rolled steel axle, hardwood frame. For one horse. Adjustable all brass 4 row sprayer for one nozzle to a row, from 26" to 36". Fitted with our patent parallel nozzle controller, holding nozzles in correct position when raised or lowered with rack and pinions all fitted for vineyard, and mustard, and orchards, and all kinds of hand work. Fully guaranteed. Prices from \$44.00 to \$50.00.

Send for free treatise, 36 pages.

E. H. HEARD,

107 King St., LONDON, CAN.

When writing to Advertisers mention The National Nurseryman.

McHutchison & Co.

17 Murray Street, NEW YORK CITY

Representing in
United States and Canada

VINCENT LEBRETON

Angers, France,

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobalans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Own Cultures Exceed 20,000,000 Stocks.

Write for special prices, lists, catalog, etc.

SCHAUM & VAN TOL,

Boskoop, Holland,

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

UNION NURSERIES,

Oudenbosch, Holland,

(H. W. Van Der Bom, Director).

SYNDICATE OF PRINCIPAL GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

We are direct importers of
ENGLISH MANETTI, RHODODENDRONS, Etc.
JAPANESE NURSERY STOCK, MAPLES,
SCIADOPITYS, TREE PAEONIES,
THUYA, JAP. BULBS, Etc.

BAY TREES

Pyramid, Standard from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY.

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.



To His Majesty THE KING



APPLE-GROWING IN
LEWISTON-CLARKSTON VALLEY

Cover-page of a booklet made for the Lewiston-Clarkston Company and E. H. Libby of Clarkston, Idaho, and intended to start apple-growing. The book is an intelligent improvement upon the standard catalogue. Nurserymen might well do things as intelligently—and successfully—as Mr. Libby does.

What's the Use of Having New Ideas?

WHAT *is* the use, anyway? Why not go along and save the work of thinking? These new ideas—they only make headaches! The old ways of our fathers—perhaps of our father Adam, when he fooled with the apple business—aren't they good enough? Indeed it was the fool idea of tasting those apples that started

all the trouble of working for a living. If Eve had just been satisfied to eat the plain fruits of Eden, and keep out of the "King of Fruits," we should now all be loafing around under the fig trees, feeding on the fruit, and not even having to wear the fig-leaf aprons!

But it all happened, and we must wear clothes and work, and we have better apples to eat than Eve ever dreamed of. Some of us only work our hands and legs and jaws, and give our brains steady rest—we stick to old ideas and old ways, and think of the "good old days."

Some other nervous men and women do think, and they dig up new ideas. One restless chap invented the steam engine, and Edison has worried a lot of things out of electricity—all because they had these bothersome new ideas.

We Mount Pleasant Press people have a sort of liking for the new-idea crowd, for we have been turning loose ideas about nursery catalogues for twenty years and more. We have a notion that good pictures and honest descriptions can be made to sell good varieties of honest trees.

We have another "punch" that the longest pole loosens the per-simmons, and that now, when trade is a leetle shy, is the time to punch it up—all the more so that the old-idea Garden-of-Eden fellows have lain down to sleep under the fig trees!

Dropping metaphor, and talking plain United States, we mean that live nurserymen are putting in right now for good trade. We know, because we hear from them. The "dead ones" are sleeping along on the 57 varieties of the Rochester brand, invented in 1823.

We're busy, and have been. We are ready to write to nurserymen who think, who have trees and plants to sell, and who want to use new ideas to help sell them. We have great facilities for making catalogues, and we make great catalogues. Write us for the new things, the up-to-date methods, the selling schemes.



J. HORACE MCFARLAND COMPANY
MAKERS OF CATALOGUES
HARRISBURG, PA.

Introducers of Baby Rambler Rose

Brown Brothers Co.,

Continental Nurseries

ROCHESTER, NEW YORK

WE OFFER a large line of choice stock for the Spring of 1908 and are prepared to make quotations on short notice. Send us your want list.

We are headquarters for the Baby Rambler Rose. We offer them at attractive prices, in two year, No. 1 and No. 2; also in one year No. 1 and No. 2. We also have a very fine lot of 2 1-2 inch pot plants, for shipment now or in the Spring.

We have an especially large surplus of standard Kieffers, Dwarf pears, and Japan and European plums, Carolina Poplars, etc.

Brown Brothers Company,

ROCHESTER, NEW YORK



(Upper View) Pecan Avenue at Griffing's Nursery, Macclenny, Fla.
(Lower View) Budded and Grafted Pecans in Nursery, Griffing's Nursery, Macclenny, Fla.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., FEBRUARY, 1908

No. 2

NUT GROWING WITH SPECIAL REFERENCE TO PECANS

NOTES FROM PROMINENT GROWERS

THE pecan, says U. S. Pomologist Wm. A. Taylor, continues to engage the attention of nut growers in the South Atlantic and Gulf States almost to the exclusion of other nut-bearing trees. The increasing popularity of the nut, doubtless due in part to the development of systematic methods of grading and cracking by machinery operated by steam or electric power, which render possible the marketing of the meats ready for use, have combined to produce a market demand considerably in excess of the present supply. Under this stimulus and the production of considerable numbers of budded and grafted trees of choice varieties in southern nurseries the planting of pecan orchards is proceeding rapidly in many portions of the South. Much of this planting up to the present time has of necessity been done rather blindly as regards the adaptability of varieties to soil and climatic conditions, very few varieties having yet been fruited sufficiently outside of the localities of their origin to determine their probable behavior elsewhere. As the earlier plantings of budded and grafted trees come into bearing, it is unfortunately becoming apparent that in the infancy of the industry the stock of several of the leading varieties was considerably mixed with other sorts. In some cases closely related seedlings inferior to the sort whose name they bore appear to have been propagated from. This confusion of identity is now giving rise to diverse reports as to the behavior of particular varieties in different sections, and will doubtless require some years of careful work by nurserymen and orchardists to rectify.

PECANS IN THE WIRE GRASS SECTION OF GEORGIA AND FLORIDA.

C. M. GRIFFIN.

Secretary of Griffing Bros. Company, Macclenny, Fla.

Interest in pecan growing on a commercial scale in the Wire Grass section of Georgia and Florida continues to in-

crease. Few new, large plantings are reported for this season, but many of the large groves commenced one and two years ago are being extended. The principal increase is in the large number of small plantings throughout this section. It seems that everybody is interested and planting as much as the present hard times will permit.

VARIETIES.

Last winter's planting was as a whole somewhat unsatisfactory, with more than a normal loss of trees. This was owing to the long drouth and very unfavorable season. Young trees planted two and three years ago made a fair growth and are usually looking well. The past unfavorable year for all fruit and nuts has demonstrated more clearly than ever before the value of prolific, regular bearing varieties, producing the best quality of nuts, even though not quite so large, over the extremely large size and shy bearing sorts, which under the most favorable conditions produce so large a percentage of poorly filled nuts. This year such varieties as Bradley, President and Van Deman produced nearly a normal crop, while such sorts as Frotchers' Stuart, Centennial, Columbia, etc.,

were almost a total failure. More attention is being given to the selection of varieties than heretofore. Those of the finer quality, such as Bradley, President, etc., which produce annual crops are being selected to the exclusion of the extremely large, shy bearing kinds with poor cracking qualities.

The Bradley and President varieties originated in North East Florida, the former from seeds of the Frotcher, and some very fine nuts secured from extreme West Florida in case of President. The Bradley excels the parent nut in every point except size and thickness of shell, it is slightly smaller than the Frotcher with about the same thickness of shell. It is a regular and heavy bearer, nuts well filled, and exceptionally fine quality. The President excels the parent in every point. Large in size, perfect



Van Deman Pecan in Grove 20 months from planting.
Griffing's Nursery, Macclenny, Fla.

shape, thin shelled, well filled and kernel ideal in color. Such varieties as these will, when the chaff is winnowed out from the good, be planted to the practical exclusion of all others.

The general interest taken by almost every home owner and farmer in the fine varieties of pecans will in a few years make pecans the leading horticultural product of the Wire Grass section. No tree is more valuable or more desirable for a roadside or street tree. They should be as universally used for this purpose throughout the South as the maple is in New York.

THE NURSERY SIDE OF THE PECAN.

The planting of select varieties of budded or grafted pecan trees is becoming so general throughout the Cotton Belt that the pecan has become an important factor with the nursery trade of the South. No tree ever offered to the planter carried with it the value and permanency of the pecan. In a few years the nuts from these trees will be an important factor in the agricultural resources of the South. The value and permanency of the pecan is such that the planter will not only be richly rewarded

for a small investment, but he will be a benefactor to his descendants and community for many generations.

Notwithstanding the value and importance of the pecan tree, less is generally known among nurserymen about the character, growing, handling, planting, and what may be expected the first year or two after planting in the grove, than with any other tree of equal importance.

As a nursery tree the first class pecan, notwithstanding its value, does not present the pleasing appearance of the three fourth to one inch apple, peach or pear tree. The smaller trees are even less pleasing, the tops are not uniform or symmetrical. The root is usually a long club tap, with few laterals, this being especially noticeable in the smaller grades. As usually handled it is not an easy tree to transplant, as it resents abuse more than any deciduous tree we know of. The first year after transplanting the growth is small, and usually unsatisfactory to the planter.

In some cases the trees do not bud out until a month or six weeks after the normal period for the leaves to appear, only making a growth for the season of an inch or two, and unless planted in the most fertile soil and under most favorable conditions, only a few inches growth may be expected. If well cared for, fertilized and cultivated, the second year's growth is usually very satisfactory, with a vigorous and increasing growth from year to year.

To insure the best results with the pecan tree care should be taken in the selection of the nursery block, only planting in land conducive to the best lateral root growth, and of a consistency that will allow of getting all the root. In digging you cannot spare a single root off the pecan tree, and don't want the few laterals or the tap root cut short. Get all the tap if possible; it may be long, but none too long for the support of the tree. Seedlings for propagating should be two or three years old before budding or grafting, thus insuring a better and more matured root than when younger seedlings are used.

The pecan must always be an expensive tree, not because of strong demand

and limited supply, or long profits to the grower; but because the seed is expensive and it takes years to produce a good salable tree. Propagation is slow and difficult, with an unusually low percentage of unions. The digging is slow and laborious and the tree must have special care and attention until delivered to the planter. We said they resent abuse: They do. They will not stand poor digging, poor packing and the rough handling and exposure of the ordinary billing yard. They should be delivered from the nursery to the planter with the least possible handling and delay. Many nurserymen buying pecan trees and selling through salesmen complain of excessive losses. This should not occur if well grown on good matured seedlings of the proper age, carefully dug, handled and protected until they reach the planter; but these losses will continue until nurserymen handling them fully realize the importance of getting matured roots and the



1 Bradley

2 Randall

3 President

4 Daisy

5 Frotcher

Characteristic Forms of the Cultivated Pecan

protection of the tree and roots from the sun, drying and chilling winds. With good trees properly handled and delivered promptly to the planter with instructions to plant the same depth they originally stood in the nursery, well watered when planted, and the earth firmly rammed around the roots, the percentage of loss should not average over two or three percent. The planter should not be led to expect much growth the first year. With a better understanding of the pecan the handling should be equally as satisfactory as with any of our standard trees.

PECAN GROVE FARM, NURSERY AND ORCHARD.

J. B. WIGHT, Cairo, Ga.

My farm is located in southwest Georgia on the main line of the Atlantic Coast Line Railway. I started to grow pecans twenty-one years ago, when I obtained the best nuts procurable and planted them, the resulting trees yielding from \$10.00 to \$20.00 worth of nuts each per year. My reason for starting in this industry was that here and there in this section there were trees producing annually from two to ten bushels of nuts; and I inferred that if a few trees would do this, then a thousand would do equally as well. I further concluded that pecans could be grown profitably at 10 cents per pound. The only trees known then were seedlings, and I started in to grow these. Later I became convinced of the immense superiority of budded or grafted trees over seedlings; and I am now setting and selling only trees of this kind. The nuts are larger and the yield of the trees is more uniform, as is also the age of coming into bearing. So if I can produce seedling nuts at 10 cents per pound, I can profitably grow them from budded



The Finished Product.
Arcadia Nurseries, Monticello, Fla.

trees at less; and yet the prices obtained from the latter are much higher than for the former, on account of the greater size and attractiveness of the nuts.

Soon after planting my first orchard, I started a little nursery to supply trees for my own groves. As my own began to bear, some of my neighbors wanted trees; and so I was gradually drawn into the commercial nursery business. My specialty is pecans, and nothing but pecans of the best varieties. Care is also taken to use only stocks of healthy, vigorous growth for propagation purposes. While this is important with all trees, it is more so with



Budding the pecan.
Arcadia Nurseries, Monticello, Fla.

the pecan than with any other tree I know.

A somewhat extended observation of the pecan nursery and orchard business in the South Atlantic and Gulf States has convinced me that there is no better location anywhere for the propagation and growth of the pecan than South Georgia, south Alabama, and north Florida. In this statement I am not forgetful of the alluviums of the Brazos and the Mississippi. These are good; but in results achieved we do not yield one whit to them.

Over thirty of the best varieties of pecans are being tested in my groves. Some of these have already been discarded as worthless, at least for this section; while others promise to rival, or even surpass, as money makers the orange, the apple, and the peach in their most favored localities.

HOW WE PROPAGATE.

J. H. GIRARDEAU, JR.

Manager Arcadia Nurseries, Monticello, Fla.

Though we were one of the first nurseries to take up the work of propagating the pecan by budding and



Grafting the pecan.
Arcadia Nurseries, Monticello, Fla.

grafting, it is only since 1905 that we have gone into this work on an extensive scale.

The thousands of budded and grafted pecan trees of standard varieties, that are shipped out by us each season, represent to us the fruits of our labor along one of the most difficult and expensive lines of propagation known to the general nursery work.

In November the land selected for pecans is broken well with a two horse turn-plow. The land has been planted in some renovating crop the year before, and left to the action of our winter rains and frosts. In December we secure of seed nuts at the rate of two hundred pounds for every acre we contemplate planting. These are preferably a well filled nut of medium size, oily and with a fairly thick shell. These nuts are put down in beds of sand to go through the germinating process. In January we rebreak the land with a heavy disc about twelve inches, run over it with a disc harrow and finish with leveling harrow.

As soon as we find that the nuts are ready to sprout we take them up and plant them on the level in four foot rows, six inches in the drill, and cover to three inches. Under these nuts has been placed two hundred pounds per acre of a special fertilizer, varied according to the class of soil. Before the nuts sprout in the spring and about every seven days thereafter, a ten foot weeder is run over the block to keep down all weeds and grasses and keep the crust broken, thereby maintaining a continual dust-mulch. In June the seedlings are given another application of fertilizer, mixed especially for that use. This is applied in August also. In September we begin budding, every stock that will take a bud (the anular method is used) is budded. This will average about twenty percent of the entire block. Unlike other methods of budding, this method costs us in labor alone about one cent for each bud inserted. The buds used are valued at from one to two cents each according to the variety. A fifty percent live is about the usual result.

In January the wraps are taken off the buds and all living ones are topped. The ones that failed to live and the ones that were not large enough to take buds are now grafted; the dirt is removed from the stock to the depth of about six inches, and there a six inch scion is inserted, and tied with a waxed thread, soil hand packed, then filled in with turn-plow. This process costs about the same as the grafting, and the same percentage considered satisfactory.

Intensive cultivation and high fertilizing carry these trees through the next season in a vigorous, thrifty condition, and the following fall they are ready for sale, grading from one foot to six in height.

In the digging we come to another large expense. The pecan has very few laterals at this age, the entire root-system being one long tap-root, longer and larger than the top. It is impossible to get this root satisfactorily with a digger, the only method that has proven practical at all is to dig them singly with long handle spades. This requires quite an outlay for labor. The usual percentage is lost in crooked trees, bad roots, etc. A special and expensive mode of packing is required, and by the time we have got the tree to the customer it has cost us a very noticeable amount. Therefore, even at the highest prices that are re-

ceived for this grade of stock, the profits are not of the largest.

Monticello, "The pecan nursery center," has shipped out during the last fall, almost a third of the entire stock of pecan trees raised in the world. Here we can raise the salable tree in two years, whereas in almost every other section of the country it takes from three to five. We contemplate enlarging our acreage largely the coming season and hope to be able to show as fine a stock of this line as can be found in the country.

THE NUT NURSERY COMPANY.

The Nut Nursery Company of Monticello, Fla., was established in 1902 by Mr. J. F. Jones for the purpose of propagating nut trees. Mr. Jones gave special attention to the growing of budded and grafted paper shell pecans. The business grew rapidly under his skillful management and this company soon had the reputation of furnishing especially fine pecan trees. Although each year the planting was increased, Mr. Jones was never able to supply the demand.

In 1906, the (cherry growers) Simpsons of Vincennes, Ind., bought Mr. Jones out and took charge of the business January 1, 1907. They placed R. C. Simpson, who had been working with Mr. Jones for two seasons, at the head of this business. Mr. Simpson was raised between two rows of trees, so to speak, and the stock grown last year pleased all who bought.

The new firm is propagating the grafted and budded paper shell pecans almost exclusively. The trees grown last year are about all sold, and for the coming year this firm expects to have an unusually large stock to offer. They propagate only the very best varieties, and for commercial purposes recommend the Schley, Stuart, Van Deman and Frotscher. There are many other varieties, possibly some of them as good as these, but as yet they have not been sufficiently tested to be planted on a large scale.

Simpson Bros. feel that there is a great future for the pecan industry in the South.

TOP-WORKING PECANS.

The question of how unproductive seedling pecan trees can be profitably utilized is a problem that is frequently brought home to the nut grower of the South. I am using unproductive here in the sense of unprofitableness rather than in the sense of barrenness. A pecan tree which produces unsalable nuts is not barren by any means, for the reason that there is a brisk demand now for seedling pecans of all kinds by nurserymen for stock growing purposes, as well as by fruiterers. The cost of seedling nuts is an important item to the nurseryman who grows a large quantity of stocks for market. There are those who do not believe in the feasibility of top-working large and established seedling pecans. They reason that the operation is difficult and that the result is unsatisfactory.

There are those, however, who have been quietly experimenting, and now have sufficient evidence to enable them to controvert very satisfactorily off hand statements of this kind. From my own observation I feel warranted in saying that there is no reason at all for allowing healthy

pecan trees from 20 to 40 years of age now bearing undesirable nuts to continue in this unprofitable condition.

On a recent visit to Georgia, I was much interested in examining the work of an expert in top-working a number of seedling trees. Some of them were top-budded by the annular or ring method, others saddle-grafted, others cleft-grafted, and others whip-grafted. The budding method seemed to work well on stocks an inch or two inches in diameter. The cleft-graft method was satisfactorily applied to stocks running up to 3 inches and greater in diameter, while the saddle and whip-graft methods were best adapted to the smaller stocks or branches. Success is largely in proportion to the care exercised in making the union, and also dependent upon the condition of the scion and stock. Both should be dormant. As in grafting stone fruits it is possible to have some growth on the stock, but it is absolutely essential that the scion be dormant.

It is remarkable how quickly an entire top can be changed from one variety to another. In one case I had the opportunity of photographing a 15-year old tree after it was grafted in April, 1906. The following year just a few days past the anniversary of my first visit, I was again in this orchard and photographed the same tree. I was perfectly astonished at the extraordinary growth which had taken place in the interim. A growth of from 4 to 8 feet was not at all uncommon, and yet it did not appear sappy or unhealthy. I also was able to secure photographs of 3-year old top-worked wood bearing catkins, suggesting the early development of fruit buds in the top-worked tree.

Some of the principles involved in successful top-working are that the operator should leave a few of the old branches on the tree to carry off the excess sap and prevent a congested or dropsical condition. Leaving these original branches will also have the effect of checking a too vigorous growth. In other words, they act in a general way as a regulator. The grafts inserted grow up, become established and the following year the nurse branches left on may be removed. It is very important in cutting these off to cut close to the main body or stem and also very important that the wound should be immediately protected with paint, grafting wax, or tar. I prefer the paint and grafting wax to the darker colored mixtures.

Just as in the East many of our most productive apples in the older orcharding sections at the present day are those that were stock or top-grafted by the itinerant grafter a half a century or more ago, so I believe that many of these seedlings pecans around the homesteads of the South will be rendered profitable and desirable by the working into

them of some of the newer and more desirable thin shelled nuts of present day cultivation.

J. C.

SOME OBSERVATIONS BASED ON THIRTY YEARS' EXPERIENCE IN PECAN GROWING.

S. H. JAMES, Mound, La.

It has been just thirty years ago this coming February since I planted my first pecan trees. I was the first person in the United States to plant a very large pecan grove, and I am now in a position to know a little bit about pecans. My grove consists of a little more than a hundred acres, and something over a thousand trees, many of which are budded and grafted. It is located in the Mississippi Valley, just twelve miles west of Vicksburg, Miss., near where President Roosevelt had his bear hunt last fall. After going over the whole South, Professor Van Deman chose this section as the finest to plant his large pecan grove some four years ago.

I have been searching all my life for a variety of pecan that would ripen extra early, that would bear heavily on young trees, that would bear heavily nearly every year, that was a vigorous grower, that was large enough to sell well upon the market, the kernel of which would come out whole and that was rich enough in flavor to meet the popular fancy, and I have found just one variety that would fill the bill, and that is Moneymaker. I learned how to bud and graft the pecan many years ago, and have tested nearly every variety as it came out. Mr. Hugh Lacey of Vicksburg, Miss., one of the most expert pecan propagators in the South and who has a large budded pecan grove, writes me: "I



A well grown nursery tree in two years.

have tested Moneymaker thoroughly for many years, and find it the heaviest bearer of all pecans. I had a five year old bud last fall that bore nearly half a bushel." Professor Van Deman wrote of Moneymaker in R. N. Y. for April 8th, 1905, "The Moneymaker began to bear at an early age, and has continued to bear heavy crops, almost every year since. I have seen it several times, and always well loaded with nuts excepting once, also younger trees. They are almost equal to the largest in size, roundish ovate in shape, thin shell, kernel plump, and comes out of shell easily. The quality is good, but not the best. The tree is spreading, the wood is tough, and is propagated more easily than other varieties. The nuts ripen very early, which is very important for Northern sections. For general market purposes Moneymaker is one of the best nuts to plant. Mr. Ben Buckman of Farmingdale, Ill., writes me: "Moneymaker has stood 25 degrees below zero here, with no more injury than a Keiffer pear."

After Moneymaker, Carman is my most prolific bearer.



San Saba river as it passes through the grounds of E. E. Risien, showing native growth of pecan. San Saba, Texas.

It is a large, long pecan, the only very long pecan I ever saw that was well filled out, moderate grower, and heavy annual bearer,—pecan well suited to meet the fancy trade.

The James Pecan is one of the finest Louisiana paper-shells. It has the characteristic of bearing heavily on the off year when pecans are scarce and bring a high price. The shell is so thin that when held three feet from the floor and allowed to drop, the shell breaks just as an egg would. The



Cutting up strips of wire cloth to bury in the ground for our trees to grow on. The Risien method.

Laying wire cloth in trenches preparatory to planting the seed nuts for stocks. Process patented Oct. 20, 1903.

kernel is very rich and oily. It is a vigorous grower, and ripens five weeks ahead of Russell, and for the latitude of Vicksburg and North it is a far superior nut.

The Stuart is perhaps the finest all round pecan in the list. Its only fault is that it is slow in coming into bearing. On young trees Moneymaker will bear ten pounds to Stuarts one. Yet in planting a grove I would plant heavily of Stuart. It is large, rich flavor, and tree a fine grower.

Van Deman is a long, large, dark pecan of rich flavor, which no one will make a mistake in planting. Its only faults are that it is slow in coming into bearing, and is sometimes not well filled out. Georgia Giant is too weak a grower ever to amount to much in ordinary field culture. Pride of the Coast, Twentieth Century, Rome and Columbian (they are all the same pecan) are the biggest of all pecans, but in order to have them fill out they must be planted on very rich soil. They have many faults. Pabst is an all round fine pecan, and a safe one to plant, its only fault is that it is slow in coming into bearing. Russell is a good bearer, and has a thin shell; but it ripens its nuts too late for the latitude of Vicksburg, and trees winter-

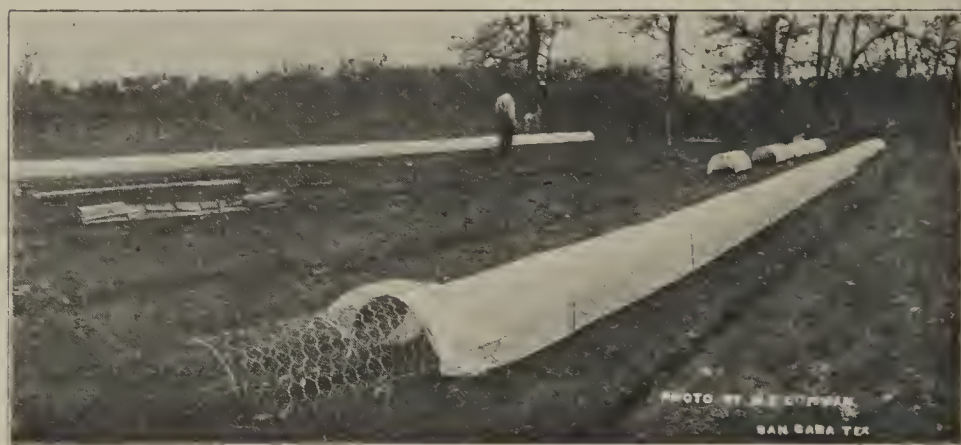
kill some years almost as badly as a weed. Halbert is a very fine pecan, its only fault being a weak growth. Centennial is a very large, long pecan, but is slow in coming into bearing. Of the new pecans Dewey, Schley and Taylor stand very high, but Success is the most promising of all the new varieties. It is running Stuart a close race.

THE RISIEN METHOD OF HANDLING PECAN STOCK.

E. E. RISIEN, San Saba, Texas.

1. The old way showing the work of the tree digger, that leaves more roots in the ground than are taken out. With the pecan wounded roots heal *slowly*—so slowly that too often they dwindle and die. This feature we have entirely eliminated.

2. As growing in the nursery before pulled up off the



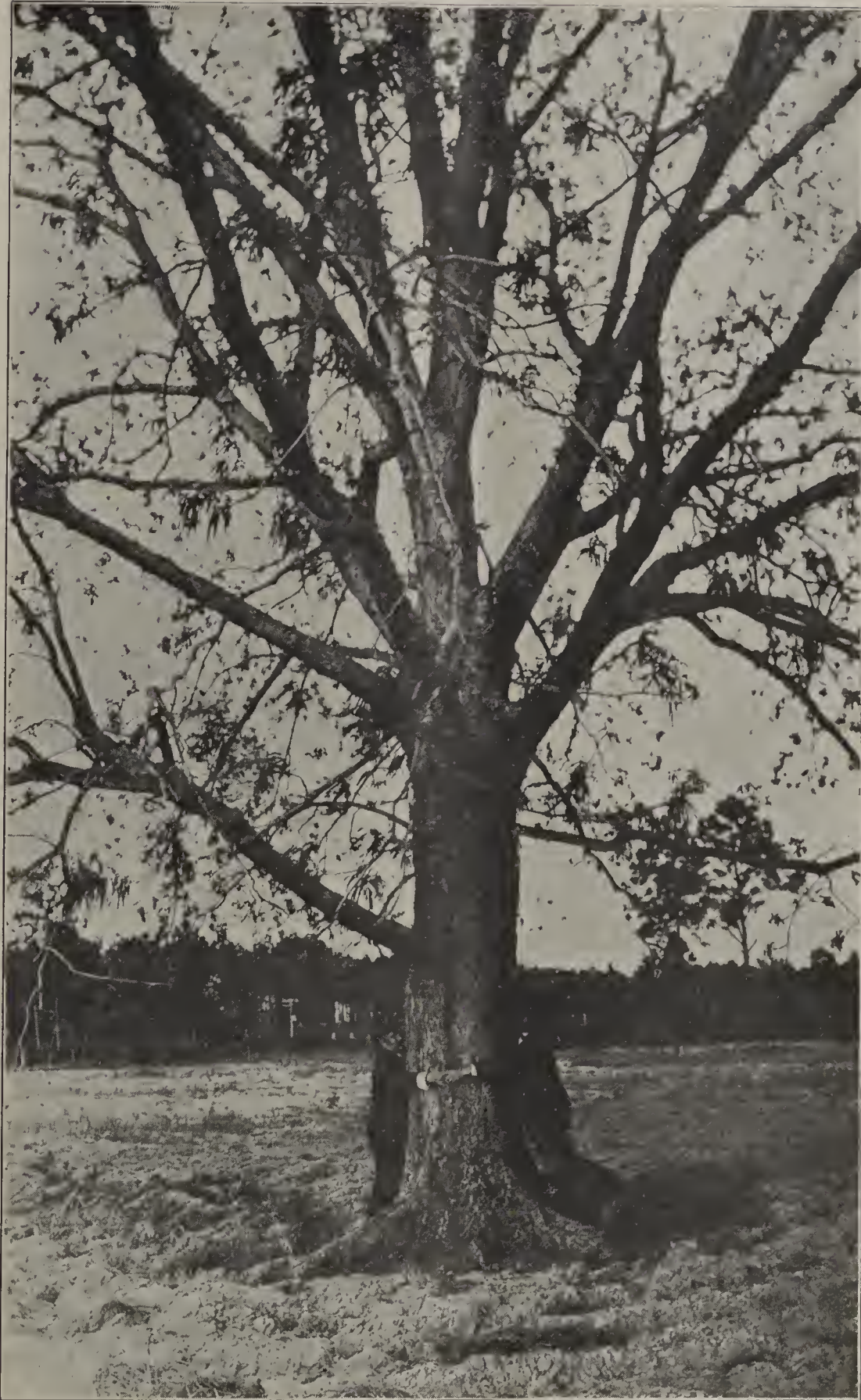
Another view of the wire mesh system of growing pecan stock by E. E. Risien, San Saba, Texas.

wire cloth. Every indentation made by the wire meshes produces *embryo roots* which have an inestimable value.

3. Formation of top roots that at once push out from the *embryo roots* when removed from the wire.

The Risien method aims to prevent tap roots in seedling pecans by placing in the bottom of the trench a layer of closely woven wire mesh. This arrests the downward growth of the tap root, and stimulates lateral development.





A Grand Old Tree (Pecan) in Bloom. Age Unknown. No Oak or Maple can excel for Grandeur or Beauty. This together with abundant harvests of the richest known nuts should recommend it.
Griffing's Nursery, Macclenny, Fla.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.

205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., JANUARY, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
National Inspection Law—Hon. Orlando Harrison, Berlin, Md.
Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.
Program—R. C. Berckmans, Augusta, Ga.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; vice-president, A. L. Brooke; secretary, Thomas B. Meehan, Dreshertown, Pa.; treasurer, Peter Youngers. Meets annually in June.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
Western Association of Wholesale Nurserymen—President, A. Willis, Ottawa, Kansas; vice-president, George Marshall, Arlington, Neb.; secretary, E. J. Holman, Leavenworth, Kansas.
Southern Nurserymen's Association—President, Chas. T. Smith, Concord, Ga.; vice-president, C. M. Griffing, Jacksonville, Fla.; secretary-treasurer, A. I. Smith, Knoxville, Tenn. The next meeting will be held in Atlanta, Ga., August, 1908.
Oklahoma Association of Nurserymen—President, J. A. Lopeman, vice-president, J. P. Taylor; secretary and treasurer, C. E. Garee.
Texas Nurserymen's Association—President, E. W. Kirkpatrick, McKinney, Texas; vice-president, B. L. Adams, Bonham, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Pacific Coast Association of Nurserymen—President, W. D. Ingall, North Yakima, Wash.; secretary-treasurer, C. A. Thompson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa. Next annual meeting at Harrisburg, in January.
National Association of Retail Nurserymen—President, William Pitkin, Rochester, N. Y.; secretary-treasurer, F. E. Grover, Rochester, N. Y.

The increase of interest in nut growing has been steady and strong during the past decade. But the last five years have seen a remarkable development of interest in this

NUT CULTURE.

special branch of pomology. The interest is spread practically over all the cotton growing states. It is fair to say in this connection, however, that much of this interest is to be credited to the activity of the organization which stands for nut growing interests in the country, the National Nut Growers' Association. The president of this Association is Prof. Burnette of the Louisiana College of Agriculture and Experiment Station, and the secretary Dr. J. F. Wilson, Poulan, Georgia. The society has held several successful meetings. It has issued much valuable matter. Like most young organizations the financial problems are the most difficult to solve. It has on hand at the present time a great deal of valuable material awaiting funds which will enable the secretary to publish it. Increase in membership in the Association will make this possible. Let all who are interested in nut culture, and desire the information these reports contain join the society and help along the good work.

Our business manager feels justly proud of our advertising columns. These pages, filled with the offerings of our patrons, represent to them and to us an important part of the journal. It is well known that in trade journalism the advertising pages furnish the sinews of war and the means for development. It is the policy of the NATIONAL NURSERYMAN to give full value in return for favors of all kinds received. As the advertising pages increase in number, so will the amount of reading matter enlarge. We are endeavoring to make this journal indispensable to all classes of tree and plant producers. If you, as a patron, can suggest improvement we shall be delighted to consider ways and means.

This brings us to the core of our remarks. We aim to present the paper to our readers on the first of each month, but frequently it is found difficult to do so, owing to the tardy arrival of advertising matter. It is as difficult for our business manager to decline to receive late arrivals of this kind as it is for most people to turn down good business. He realizes that many of the offerings are for immediate consideration, and that a month later they will be a dead issue. For this reason we are anxious to run them and promptly, but this desire to please has occasionally delayed an issue a full day or longer. In view of these facts, the business manager makes the very reasonable request that all advertising matter be in his hands not later than the 22nd of each month. This gives a minimum time for proof reading, printing and mailing. Will our friends kindly see the situation from our viewpoint and endeavor to place their advertising matter in our hands as early in the month as possible?

The annual festival of the National Retail Nurserymen's Association took place at the Masonic Club, Rochester, on the

evening of the 21st of January. This has grown to be quite an important annual event in the business life of the eastern nurserymen. The occasion is always one of greatest enthusiasm and bonhomie. The promoters are among the leading spirits in the nursery trade in Western New York and the Middle West. It is an occasion when the agent, the clerk and proprietor all meet on common ground, and in a truly fraternal spirit. The meeting this year was fully as successful as any of its predecessors, and large credit for this should be reflected upon the committee in charge.

There seems to be some misconception in regard to the present status of the movement for uniform inspection. It is, therefore, proper to say that the resolutions passed by the joint committees at Chicago, reported in the last issue of the NATIONAL NURSERYMAN, practically reaffirmed the previous action taken by the American Association of Nurserymen at Detroit

INSPECTION LEGISLATION.

last June. At the Detroit meeting a special representative was appointed to push legislation, on direct request of the Association. He was given a commission to act as prime agent in promoting this work, but the scope of this commission must be interpreted broadly. The whole thing is not easy of accomplishment. We must not rush into it blindly. Some of our contemporaries lead one to believe that there is nothing to it but to frame a law, hand it to a Congressman, who will present it to the House, which forthwith adopts it, and presto! the thing is done. Not so easy and not so fast. While the special representative has a good deal of authority under the instructions given him at the time of his appointment, it is safe to say that he will feel his way rather than rush in and do injury, or be injured.

The prime question in connection with the whole affair is one of feasibility, and we may as well accept the situation, realizing that three things are necessary to securing anything like uniform inspection. These are (1) a feasible working scheme approved by the U. S. Department of Agriculture; (2) the support of the entomologists and horticultural inspectors; (3) the united co-operation and support of the nurserymen themselves. Lacking these conditions the movement will fail, and until they are secured it will certainly be unwise to attempt to push any measure through. The NATIONAL NURSERYMAN is in hearty accord with the principle involved in the idea of uniform inspection, but the ways and means of securing it are not so clear. For that reason we advise caution, and advise proceeding with the utmost consideration of all interests and conditions affected. Would it not be well to invite Dr. L. C. Howard, chief of the Bureau of Entomology, who in all probability would be the officer in charge of federal inspection, should such a measure become law, to attend the next meeting of the American Association of Nurserymen to discuss this question from the standpoint of an executive officer?

TRANSPORTATION AND RAILROAD OVERCHARGES.

The following statements of amounts recovered by one firm from railroads in one year in the form of overcharges and loss claims will be read with much interest by all nurserymen.

We thank Messrs. Stark Bros. for permitting us to publish the figures which should encourage shippers to investigate charges and file loss claims whenever circumstances justify such action.

Editor NATIONAL NURSERYMAN:

We are enclosing a railway claim memorandum covering one year. We believe that the average shipper is frequently overcharged, and the errors are generally in favor of the Railroad—not the shipper.

STARK BROS. NURSERIES & ORCHARDS CO.

Statement of rating, overcharge and loss claims paid from January 1, 07 to January 1, 08.

January	Claims paid,	25	Amount	\$ 78.23
February	"	27	"	306.43
March	"	5	"	7.46
May	"	15	"	207.32
June	"	56	"	257.15
July	"	59	"	282.00
August	"	46	"	198.27
September	"	24	"	202.40
October	"	26	"	69.15
November	"	19	"	92.22
December	"	183	"	507.19
				<hr/>
				485
				\$2207.82

Above divides as follows:

451 overcharge claims, amount	\$ 1109.20
34 loss claims, amount	1098.62
	<hr/>
	\$2207.82

THE NATIONAL ASSOCIATION OF RETAIL NURSERYMEN, FIFTH ANNUAL DINNER. POWERS HOTEL, ROCHESTER, N. Y., TUESDAY EVENING, JAN. 21st, 1908.

Since the inauguration of these dinners, each year has been a greater success than the last, and this year has proved no exception, judging by the large attendance and the spirit of harmony and good will evidenced on all sides.

The program was run off without a hitch, thanks to the untiring energies of the committee which was composed of the following gentlemen:

Messrs. B. F. Allen, again acting as chairman, assisted by W. W. Wyman, E. S. Osborne and C. L. Yates all of Rochester. Great credit is due to these gentlemen for the smooth way in which everything was carried out. Good food, good cheer, good speeches are all to be charged to these.

Music was furnished by Moll's Orchestra and the Rochester Male Quartette. The menu which was excellently served and most satisfying was as follows:

MENU.

Invocation.....	John C. Chase
	Oak Islands.
	Green Turtle à l'Anglaise.
Olives	Radishes
	Filet of Halibut
	Chicken à la Tartare
	Mignon Tenderloin à la Shanley.
	Parisienne Potatoes
	Green Peas
	Roast Young Vermont Turkey
	Salad Powers
	Meringue Glace
Cheese	Coffee
	Cigars
	Cigarettes

At 9:30 the Chairman arose and presented the Toastmaster, Mr. Edward B. Lynn, in a few well chosen words, at the same time pointing out how eminently fitted Mr. Lynn was for the position. Needless to say, Mr. Lynn discharged his duties with tact and wit to the entire satisfaction of all concerned. Mr. Lynn is a brother to the judge so well known to nurserymen. He was a toastmaster indeed.

HANDSOME CARDS DONATED BY J. HORACE MCFARLAND CO.

The menu cards were most artistic, being the production of the firm of J. Horace McFarland, Harrisburg, Pa., for whose generosity in the matter the committee wish to express their thanks. The cards were of heavy board attractively printed and embellished with a real photograph artistically rendered on blue tinted paper in the centre.

Toasts.

Mr. Edward B. Lynn, Toastmaster.

The Flower City Mr. Wm. C. Barry

Grafting J. G. Greene

The Ladies Mr. MacInerney

Selections by the Rochester Male Quartette.

Music by Moll's Orchestra.

Mr. Barry who replaced Mr. E. J. Dwyer at the last moment made a strong plea for a fuller recognition of the aesthetic and ethical side of horticulture.

"We are proud of Rochester and its development, for its beauty and its growth, but these did not come of themselves. Rochester, it is true, has very many natural beauties, but if you will look over the history of Rochester forty years ago you will find that there were many people deeply interested in beautifying the city. They were men of high ideals who worked gradually and successfully, and to-day you have the results of their labors, which are by common consent admitted to be admirable.

"In this city the industry was inaugurated which spreads to all parts of the globe beautiful flowers, trees and fruits. The flowers and trees and fruits have the effect of elevating mankind, to beautify the world itself and to make life pleasant. You are the men who are continuing this work and you may well be proud of your industry.

"Language is not strong enough to describe the beauties of the flowers and shrubs which you are putting into the hands of the people all over the world. When a tree is planted for its fruit or for ornamental purposes think of the number of people who are to get the benefit. Then multiply that number by the thousands on thousands of trees sent out of Rochester each year and you will find that your business is one which is doing great good and harms no one.

"You cannot qualify yourself too highly for your work.

The more study you give your work and the more preparation you make for carrying it on, the more thoroughly will you accomplish your desire."

Toastmaster Lynn introduced John J. MacInerney to respond to the toast "The Ladies." Mr. MacInerney said, in part:

"We may not be so extravagant as the Knights of France and England when knighthood was in flower, but in respect, in love and chivalry the twentieth century is not behind. We do not lay our cloaks in the mud like Raleigh, that our divinities may pass over them. We do not sigh in maudlin verse beneath our lady's window; we wear no gloves next to our hearts in proof of our love and respect, but in non-spectacular devotion, husband, son and brother gives to woman, God bless her! the dignity that she merits as the sweetest gift that God has bestowed upon man."

L. B. Elliott, filled the place of James G. Greene in responding to the toast "Graft."

PAPA JOSSELYN'S IMPROMPTU.

Among the many quaint anecdotes and sayings recounted by the Chautauqua poet we have only space for the following:

"When you have been on journeys with your wives (of course, I mean each of you with his own real wife) have you not met delightful people; those whom in a short time you became well acquainted with. They showed their good sides and best natures and you mentally declared, 'I never met nicer people.' Well! It's the same way with us who visit Rochester. If she has any 'outs' we don't know, or wish to know them. You have a beautiful residential city. Your Buildings, Parks and Streets are magnificent. Your women handsome, your daughters lovely and your boys well behaved; of course it isn't necessary to mention that the children take after their mothers. You have almost a surplus of good, honest men, 'the noblest works of God' and in most other localities now about the scarcest. Your personal friendships are strong and as some one has said, 'Your beer makes M-m-mil-wau-wau-ke jealous.' (It's queer that I can't pronounce the name of that town without stuttering). It's no wonder you are all fond of Rochester. You are short of Poets as Chautauqua County has the supply cornered but Newark helps you out. They have one song composer who after a journey gave to the country that lively song 'The Charming Young Widow I Met on the Train.' This on trial proving too breezy for the prayer meeting of a near relative, during a spell of humble disappointment he was inspired to write as an antidote for the other that soothing little ballad 'Oh! Come, come Away.' 'May you all live long and prosper.'"

THE FOLLOWING IS THE ROLL OF ATTENDANCE BY FIRMS.

Allen Nursery Co., Bowden, E. J., Bogue, N., Brown, E. C., Brown, Chas. J., Chase, John C., Derry Village, N. H.; Chase, R. G. Co., Geneva; Chase Bros. Co., Charlton Nur. Co., Clark, J. Porter, Clark, H. W., Crouch, Chas. H., Dunn, R. G., Ellwanger & Barry, Fleming, Chas. N., Fox, M. B., Graham Nur. Co., Grover, F. E., Gillies, J. A., Goodwin, H. C., Hawks Nur. Co., Hooker, Wyman & Co., Henry, D. H., Geneva, N. Y.; Hamilton, J. B., Hugel, Emil D., Jackson & Perkins Co., Newark, N. Y.; Josselyn, Geo. S., Fredonia; Keyel, Wm., Love, Robt., Morris, E. C., Mead, W. H., NATIONAL NURSERYMAN Pub. Co., Rice Bros. Co., Rouse, Irving, Steele, Wm., Storrs & Harrison, Painesville, O., Stuart, C. W. & Co., Newark N. Y.; Salter, R. G., Stecher Litho. Co. (Brown), Vredenberg, C. W., Vicks' Jas. Sons, Willems, Peter F., Western New York Nur Co., Webb, Walter F., Yates, C. L.

Doings of Societies

Proceedings of the 18th Annual Meeting of the Western Association of Nurseryman held at the Coates House, Kansas City, Mo., Dec. 17-18, 1907.

By E. J. HOLMAN, Secy.

Promptly at 10:30, President Willis in the chair and with a good attendance, commenced what proved the greatest meeting of the Association.

ADDRESS OF PRESIDENT WILLIS.

President Willis said in part:

Gentlemen of the Western Nurserymen's Association—

Another year has passed and by your favor today I present to you a few remarks as President of this Association. The year has passed and with it we have had our little round of successes and pleasures and of reverses and sorrows, but all in all I believe we may call it a good year; for though we may not feel we have added largely to our fund of ready cash we have had and enjoyed a large measure of the blessings that make life worth living.

This has been in some respects an unusual year. March brought us a spell of August weather; this was followed by severe freezing in April and May, greatly retarding the growth of nursery stock and wholly destroying the crop of tree fruits over most of the territory represented by this Association. On account of the unfavorable season there has been an unusually light percent of No. 1 grades of stock for most of us. The labor supply has been rather light so it has been necessary to hustle to get the work done that was needed, and to finish up this fall a money panic has interfered seriously with deliveries and collections, and all the time we have been embarrassed by uncertainty in railroad service in both in and out shipments.

While all the above is true we have generally enjoyed a good degree of health; we have enjoyed in large measure all the blessings and privileges that have come to the best section of the best country we know anything about. Our losses have not been so great as to cripple us in our work, while the experiences the season has brought us, and the courage and hope a kindly Providence has planted in all our hearts will stimulate to efforts that will bring larger successes and better rewards than have come to us in the past.

Let us contemplate the scene before us; there are lands to plant as fertile as the Valley of the Nile, there are seed and plants within reach, there are laborers with willing hands waiting our bidding, the bright sun shines, the gentle rain waters the thirsty earth, and a gracious heavenly Father has commanded that the seed sowed shall bring forth plants and trees after their kind, and a multitude all over this broad land are stretching forth their hands to us and asking for the products of our craft that they may plant and grow fruit for food and trees and plants for shelter and beauty. Let us arise and plant, being sure we shall reap in due time if we faint not.

THE PROCEEDINGS

After the reading of the minutes of the July meeting which were approved, A. C. Griesa introduced the subject, "Is a Kieffer pear orchard more fruitful when pollinized with another variety?" and as discussed by Messrs. Stark, Wragg, Bernardin, Heikes, Hill, Holman and others, the Kieffer was considered strongly potent of itself.

C. G. Ferguson introduced the root Aphis subject, a matter of great interest to all nurserymen. An active discussion by Messrs. Bernardin, Skinner, Stark, Wragg, A. C. Griesa, Youngers, Heikes, Hill, Brown, Marshall, Welch and others followed. The tobacco application was pronounced a failure in many cases. Mr. Heikes gave an account of an experiment in Georgia where a light furrow was thrown from the trees and a kerosene emulsion applied with signal success.

Messrs. Holsinger Bros., Rosedale, Kans., and M. E. Chandler, Argentine, Kans., were elected to membership and invited to the room.

Roll call showed the following present: Alabama Nursery Co., E. P. Bernardin, H. F. Bente, M. E. Chandler, Des Moines Nursery Co., B. E. Fields & Son, German Nurseries, A. C. Griesa, T. E. Griesa, Huntsville Wholesale Nurseries, Holman Bros., Holsinger Bros., Kelsey Nurseries, Kansas City Nurseries, D. S. Lake, Marshall Bros., New Haven Nurseries, J. H. Skinner & Co., J. W. Schuette & Co.,

F. H. Stannard & Co., Stark Bros., N. & O. Co., L. R. Taylor & Sons, James Truitt & Sons, H. J. Weber & Sons, E. S. Welch, A. Willis, J. Wragg & Sons, Youngers & Co. Major Holsinger of Kansas and Mr. McDonald of Washington were guests by special invitation.

The treasurer reported receipts, \$234.26, expenditures, \$56.92, balance in treasury, \$177.34. Approved.

The committee on nomination presented the following, who were elected: For President, E. P. Bernardin; Vice-President, E. S. Welch; Secretary and Treasurer, E. J. Holman; Executive Committee, F. H. Stannard, W. P. Stark, R. J. Bagby, J. W. Hill and A. J. Brown.

Questions.

"Will the throwing of many out of employment help the labor situation for the nurseryman?" by J. H. Skinner, and participated in by Messrs. Ferguson, Youngers, Hill, Bernardin, A. C. Griesa, Heikes and others, was regarded as especially helpful to those that had suffered from labor strikes and combinations and some saw in it a door of relief from the labor stringency that had hitherto menaced the energies of nurserymen, the consensus of sentiment however being that the highest wages was deserved by faithful employees.

Mr. W. P. Stark on "What age and size apple trees will be demanded by the orchardist who is on to his job?" said there was a growing intelligence demanding a younger tree, many more one year old being planted though smaller, health and vigor being the first requisite and better attained in select yearlings.

E. P. Bernardin championed American uniformity of grading, aided by Messrs. Heikes, Wragg and others. The Western Association a year ago proposed a grade list and the question is now before the National Association in a progressive state.

"To what extent is the San José scale working in the West?" by J. W. Schuette who said nothing could be accomplished by agitation. In the discussion by Messrs. Bernardin, Brown, Hill and Holsinger it was stated to exist in injurious presence in spots while in the greater area covered by the Western Association, it is not known.

"Should the nurserymen adopt and work for a uniform law recommending the dipping of nursery stock in place of fumigating?" by Messrs. R. J. Bagby, Brown, Bernardin, A. C. Griesa and others, was by some strenuously advocated, by others a conservative view was held. It was gathered that a great deal of loss had followed fumigation, hence the dipping process was especially favored by those who had tried it. Mr. Weber gave an interesting statement of the merits of soluble oil giving many instances of its use and complete success as a dip or spray, no resultant harm following as at times with fumigation.

"Has the money panic affected the fall collections of the retailer and in what territory to the greatest extent?" by Messrs. F. H. Stannard, Stark and others said it was discernible but had not been felt seriously. "To what extent will a refrigerator car withstand frost?" by D. S. Lake. By motion of Mr. W. P. Stark, Mr. Lake's paper with a special contribution by Herbert Chase on the same subject and a special article on loading trees in cars will be embodied in circular form.

J. W. Hill urged on the part of the West an increased exhibit at the next National convention.

The foregoing is only a part of the topics and discussions which occupied the two days of four sessions, adjournment one hour for lunch the last day and then again at work vigorously until late in the afternoon final adjournment was forced by many having to meet engagements.

Resolutions Adopted.

By C. GRIESA—That the action of the Association taken in 1904 regarding the advertising of no prices in newspapers is the sentiment of the association at this time and that the co-operation of the papers in this regard be commended.

By E. S. WELCH—That the Western Association of Nurserymen in convention assembled at Kansas City, Mo., on December 17-18, 1907, do respectfully ask of the executive committee of the American Association of Nurserymen that they request the legislative com-

mittee to at once make arrangements to test the law of Wyoming as it refers to nurserymen.

By E. P. BERNARDIN — That it is the sense of this Association in convention assembled that we urge upon the legislative committee of the American Association of Nurserymen the prompt testing of the South Dakota law by the immediate arrest of a salesman and the pushing of the suit to a speedy end, that no compromise be accepted, but the law fully tested and that our western representatives be instructed to take this action at once.

NURSERYMEN OF OHIO ORGANIZE.

At a meeting called by J. W. McNary, Vice President for the National Nurserymen's Association of the state of Ohio, about twenty of the prominent nurserymen of the state met on the afternoon of Jan. 15, for the purpose of considering the matter of a permanent organization. After a thorough discussion it was decided to organize and hold annual mid-winter meetings at the call of the executive committee.

The following officers were elected:

J. W. McNary, Dayton, O., President; Robert George, Painesville, O., Vice-President; W. B. Cole, Painesville, O., Secretary; W. N. Scarff, New Carlisle, O., Treasurer; Executive Committee, Robert George, Painesville, O., F. D. Green, Perry, O., A. R. Pickett, Clyde, O., John Siebenthaler, Dayton, O., E. G. Cox, Proctorville, O.

Signed W. B. COLE,

Secretary.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

The most successful and most largely attended meeting in the history of this great fruit growers association was held in Rochester, January 23 and 24. President Barry presided and although he demurred at reelection the members would not be denied.

Among the nurserymen present were Messrs. Barry and Miloy, Mr. C. T. Hooker, Mr. Charlton, Irving Rouse, J. H. Dayton, Storrs and Harrison, J. M. Henry, Geneva, and many others. Full report next month.

OPINIONS ON FEDERAL INSPECTION OF NURSERY STOCK.

Berlin, Md., Dec. 23, 1907.

Gentlemen:

You will remember that the president of the American Association of Nurserymen, Mr. J. W. Hill, appointed me as chairman of the committee on National Inspection Law.

I have been asked to report at the meeting of the Horticultural Inspectors, as to what has been done. This meeting will be held December 27th at Chicago. I desire to know what the nurserymen want.

Are you in favor of the National Inspection Law, if so, I will be glad to have any suggestions from you.

Are you opposed to a National Inspection Law, if so, assign your reasons for same.

I want a reply from you by return mail in the enclosed stamped envelope. I will not use names, but simply want to know what the nurserymen's ideas are.

Yours very truly,

ORLANDO HARRISON,

Chairman National Inspection Law.

Berlin, Md., Dec. 24, 1907.

Dear Sirs:

The above letter was sent out to various nurserymen and the substance of their answers will be found below. I am anxious to hear from every nurseryman direct, or through your papers, that I may be in a position to act intelligently and for the best interests of the nursery business in general.

ORLANDO HARRISON,

Chairman of National Inspection Law.

The following opinions have been culled from the answers received by Mr. Harrison. Of course the correspondence is confidential with Mr. Harrison and has been transmitted to the NATIONAL NURSERYMAN without signatures or addresses. It shows the trend of public opinion.

A BATCH IN FAVOR OF A NATIONAL LAW.

"As far as we know, we think it is a good law, but we do not know of any methods to suggest as to the best way of carrying on the work."

"I favor a National Inspection Law, for the following reasons: We need a uniform law and a more thorough inspection. Under existing conditions we are liable to buy infested scions shipped under state certificates. I believe that an infested nursery should ship only under the supervision of inspectors."

"We are in favor of the National Inspection Law."

"I am most heartily in favor of a National Inspection Law. Nurserymen cannot urge too strongly the enactment of a law governing the inspection in general throughout the United States. As it is now, the importation of nursery stock into certain states is almost prohibited on account of undesirable local inspection laws."

"We are in favor of the National Inspection Law, as we think all Nurserymen ought to be governed by the same inspection law."

"Relative to the National Inspection Law, we certainly are very much in favor of such a law, being passed at earliest possible date, as the present state laws are becoming very burdensome. Not that they require us to grow better stock or take better care of it than we are already doing, but there is so much red tape connected with it, and each state requiring some different way. Which on the whole, makes a great deal of bother and expense that could be covered and should be in a good National Law."

"I am strongly in favor of the National Inspection Law."

"We are most certainly in favor of such law being enacted and put in force at the earliest possible moment. The existing situation with regard to this matter, is very annoying and gives the members of our Association a great deal of trouble."

"Each state has a law of its own, which differs very largely from that of other adjoining states, which makes it very hard to comply with, upon making our shipments. If we could have a Uniform National Inspection Law, every nurseryman in every state would be placed upon the same basis, and a great deal of this annoyance obviated."

"I am most heartily in favor of a National Inspection Law."

"We wish to say, we are very much in favor of a National Law."

"Give us the National Inspection Laws. I, for one, am heartily tired of everlastingly getting in shape to ship to this state and that. Several states we have marked from our list, the trouble and expense is greater than their worth."

"We think the present systems of inspection are very unsatisfactory for different reasons. It is quite a task to become familiar with the laws of the different states, and the fact that they differ very much in the text makes it very annoying. We think that a National Law would be very much better."

"I am in favor of a National Law. Would like to see a uniform Inspection Law so that all parties would recognize one method of inspection."

"We are very much in favor of a National Law, for the inspection of nursery stock."

"We certainly are in favor of a National Inspecting Law, and it is the only law that is going to be of any use to nurserymen, provided, they want to ship into other states. If we send stock into New York State and there is any scale on it alive or dead it is rejected and usually destroyed and if any stock comes into this state from New York, scale or no scale, we are obliged to receive it. Now, we are all glad to do anything in our power to get a National Law in regard to inspection."

"We are in favor of a uniform Inspection Law. We know of no other plan than by a National Law."

"I am in favor of a National Inspection Law in preference to a multiplicity of various state laws, some of which are often drawn so as to prevent a nurseryman in one state doing business in another. A National law properly safeguarded should be in the interest of all nurserymen."

"We are in favor of the National Inspection Law and if it cannot be, we are in favor of an increase of nursery stock of about 100%. The miscellaneous lot of state requirements under the present conditions gotten up by people who know nothing about the proposition are getting to be a great burden to us."

"We are in favor of uniform Inspection Laws and such laws can probably be secured most easily through federal legislation. There is little probability that the states if left to legislate separately on this question would secure the desired uniformity. We are certainly opposed to the present system of state legislation."

"We are most heartily in favor of a uniform Inspection Law."

"We are in favor of the National Inspection Law as suggested at the meeting of 1907 at Detroit."

"Would say in regard to a National Inspection Law, I should certainly favor it very strongly. State Inspection Laws differ so greatly in their makeup and in the matter and extent of their enforcement that in some cases, they work serious hardship and prove an obstruction to the free transaction of business and in other cases they will be administered so slackly as to prove to be of little value from the standpoint of being effective for good."

"We are very much in favor of the National Inspection Law as we understand it is now to be presented and do hope you will be successful this time in pushing the matter forward to a successful end."

"We, ourselves, are very much disgusted with the many different qualifications required in different states and would be satisfied with a uniform inspection law even if all of its features did not just suit our fancy."

"My reasons are: First—I think uniform inspection, whatever it may be, will be more useful and satisfactory than forty different sorts. Second—I believe that under state inspection some nurserymen are permitted to do things which they would not be permitted to do if subject to federal control."

"We think if it is practicable to get a uniform Inspection Law, it is much to be preferred to our present inspection laws, as it would simplify matters very much."

"As a broad, general proposition, I am a states rights man, and do not want to get the National Government meddling too much in our state affairs, unless we purpose to abandon them entirely and turn all our state work over to the National Government."

"Undoubtedly the National Inspection Law of nursery stock would be preferable to what is going on in many states."

"My greatest kick at the present time is against enforced fumigation in so many states, for I know and believe that thousands of trees are killed annually by fumigation, that could just as well have the scale killed by dipping or spraying without injury to the trees."

"Personally, I shall never plant any more fumigated trees if I can help it."

THESE OBJECT OR DOUBT THE FEASIBILITY.

"We are heartily in favor of the National Inspection Law providing it will not conflict with the existing state laws, or if the states can be brought in line so that they would not oppose a federal law. This may be quite difficult to bring about because we realize that a good many states are very jealous of what they term their rights in this matter."

"In regard to a National Inspection Law, it seems to me it would be advisable, so that the same certificates would apply in all of the different states. At present each state having its own law and different from other states, makes it very inconvenient and hampers a person very much in making shipments and I think a National Inspection Law would be much more satisfactory."

"Personally I have always been in favor of the National Inspection Law, if such an one could be passed, but I have been repeatedly told that this was an impossibility, as the Police Regulations of each state are subjects that each state must take care of itself. I fail to see how anything of a National Character can be done, unless it may be possible to get all of the states to adopt a National Inspection Law, and this hardly seems probable."

"The present state laws are anything but satisfactory. Besides being expensive, they are otherwise annoying."

"We certainly are in favor of the National Inspection Law. The state laws are all so different, requiring different tags that it makes it necessary to look up the laws in each state before making a shipment. I cannot see where there would be any objection to a National Inspection Law."

"I do not think that the Government could inspect all the states satisfactorily. I should like to see the State Laws changed in Virginia. I should like to see the part that requires outside Nurserymen to pay a tax of \$20.00 repealed, and any nursery having a State Certificate allowed to ship into the State."

"We think one point which should be considered is that in event of adopting the National Inspection Law would it conflict with the present state inspection law? We don't want two inspections. If we should have a National Inspection Law in force, would the state then have a right to continue its inspection?"

"I am somewhat unsettled in my mind in regard to the National Inspection Law, it is all owing to the sort of a National Law that we would have. If we had a National Law framed and administered as some of our state laws are, notably, one joining our state, I would say, No, No. On the other hand, if we could have a safe and National Law framed and administered reasonably, sensibly and wisely, I believe it would be a great advantage to the nurserymen."

"As the matter stands, I would be afraid of a federal law unless I knew what sort of federal law it was going to be, and also something of its administration. Almost any sort of law will do the work, however, if administered with common sense and almost any sort of law can be made oppressive if enforced unwisely."

"I believe, take it altogether, I think we are better off with what we have, rather than risking what we don't know about. This is about my feeling."

"At the present time it appears to us as labor wasted to try to get any National Law passed, as we think that Congress will not take up any law of the kind before the National Laws for the railroads are adopted."

"We think it will be better to make an effort for uniformity in state regulations, which can best be brought about through the Association of State Entomologists and Agricultural Stations. It would take a little time perhaps, but eventually it would bring the desired results."

"It seems to me for several years past, that it was not a profitable investment for the American Association to spend money and time on the matter of a Federal Inspection Law, and for several reasons."

"1st. It seems almost impossible to get through Congress any law of this character that would allow an appropriation of sufficient size to properly carry out the proposition, and without an appropriation it does not seem to me that the law would be of much value."

"2nd. The best information of those who have carefully investigated the subject, and who have gotten legal advice seems to indicate that even though such a law passed, it would only be operated in inter-state commerce to the state lines, and that after the goods reached the destination nothing in the law could prevent the state laws from taking hold and doing whatever might be thought best by the state authorities in the way of inspection, fumigation or whatever. I understand that the states would have sufficient authority

under their police powers to inspect or fumigate, notwithstanding a National Law."

"I am in receipt of your letter of the 17th, in regard to the National Inspection Law. There are some things that could be said in its favor, but on the whole, I am against anything National of that kind. Everything that the government has to do with has so much red tape in connection with it and is so arbitrary in every particular that one is much like the man who meets on a dark night a fellow who has a revolver loaded and places it at his head and tells him to deliver or die. I see enough of this in the treatment we get at the Custom House, and, therefore, I object to having any laws made at Washington that shall have anything to do with the inspection of out stock. This is the chief reason for my objection."

"I am in favor of a National Inspection Law. Had the proposed measures been passed ten years ago, before the different State Laws had been enacted, it would undoubtedly have taken the place of most of the present State Laws and have done what I fondly hoped it would do when the measure was first proposed. But today it would be practically useless. As soon as an inter-state shipment reaches its destination, it comes under the state quarantine and police rights which the general government cannot interfere with, consequently any state law or regulation now existing would still continue in force and all quarantine regulations now enforced would stay enforced."

"I have not got a copy of the National Laws that were recently proposed, but if I recollect rightly it requires that the State Inspection should be continued, thereto certify the "Free" nurseries to the proper government authorities who would issue a national certificate and this certificate should be recognized in all states. If this can be done it will simplify matters, and a copy of the national certificate attached to a shipment would be sufficient to take it anywhere without requiring the individual state certificate."

"While I am personally opposed to fumigation, yet if it should be deemed to the best advantage, I would personally accept it, and in fact, almost anything that would be reasonable and that would do away with these individual state requirements."

"The interstate Commerce Law is not going to help us; a National Law that is not effective is not going to help us. The only thing that can be done is to cultivate a better feeling between the Entomologists and the nurserymen, and to try to get as nearly uniform laws as possible in the different states, and the repeal of such arrant nonsense as the Legislature of South Dakota put into its recent law, clearly intended to bar outside nurseries from doing business in that state, and to that extent unconstitutional."

"We are very much in favor of a law that will permit nurserymen who hold certificates to ship in any part of the United States. It is getting to be quite a burden and is almost impossible to keep track of the various laws that are made in the different states. If it is impossible to get a National Law, we would like to see the state Laws so fixed that one state would recognize the certificate from another."

"We are in favor of a universal law if it is possible to get one passed. We have no plans to suggest, but think the committee that has been appointed should make every effort possible to get a law through at the earliest possible date."

"We were not in favor of a National Law, as proposed sometime ago, in which the U.S. Government was to do all of the inspecting. Do not believe that we would ever get appropriations enough so that all of the nurseries in the U. S. would be inspected, if we have to depend on the U.S. Government to do it, we would be very much afraid of a law permitting nothing but U. S. inspection goods to be shipped which would shut out a lot of nurseries every year."

"If a National Law could be secured that would permit shipment of goods that had a certificate attached signed by the state entomologists showing fumigation, freedom from disease, etc., we believe it would be a good law, and that many of the states would make their own laws to conform."

"I would be in favor of a National Law, if it could be made effective."

"Such a law ought to have been passed years before so many states had made laws of their own, but I think with all of this, it would be advisable to try and form a law of this kind and then work on the different state Legislatures to have their Laws amended to conform with the National Law."

"Replying would say that in my opinion, it is an impossibility to get a National Inspection Law, from the fact that it will come in

contact with too many State Laws that have already been passed. My belief would be in a National Law for dipping with soluble oil as far more effective than fumigation, and better than any inspection could possibly be. Experiments have shown that the oil is far better and gives better results for scale than fumigation, with no injury to the trees, and is easily applied."

"I am decidedly in favor of a National Inspection Law, but much doubt the possibility of getting such an act passed by Congress, as it seems to conflict with the right of the several states to regulate such matters within their own territory."

"I think a National Inspection Law would be the best, but doubt if we could ever secure it. However, if it is possible to get the different states to adopt laws as near uniform as possible, it will help very much and eliminate all licenses such as Virginia, Oklahoma, etc."

"If it is possible however, get as near to National Inspection as possible."

"We are in favor of a National Inspection Law, and are in favor of having it passed as quickly as possible, but would not favor any law compelling fumigation. It seems to me that we can have a National Law compelling every nurseryman, even if not of the same opinion, to dip all nursery stock sent out to the inter-state commerce in a solution of soluble or miscible oils as per prescribed strengths. This would insure confidence among the people."

FOR OR AGAINST.

"I am in favor of the National Inspection Law. In our opinion however, think it would be a good idea to substitute dipping nursery stock in soluble oil where the requirements are fumigating with gas."

"Yes, we want a uniform National Law, but how to bring it about is too much of a proposition for us to tackle. The one great objection we have to the inspection laws as they now exist, is that each state requires a different proceeding in the inspection and handling of nursery stock with the result, as you know, that it keeps the nurserymen who ship into several states constantly on the watch and in hot water to carry out the various requirements. If we had a uniform National Law, it would certainly be much better."

"We favor a National Inspection Law, drawn in plain terms and in effective and constitutional form."

"Reference should be had to the interests of tree growers and tree grafters rather than to office hunting grafters."

"I favor a National Inspection Law drawn in terms broad and comprehensive, so as to give the maximum protection and minimum vexation."

"I am certainly in favor of a National Inspection Law if it can be made to take the place of State laws on Inter-State business."

"Wishing you success."

"We are in favor of the National Inspection Law. It is almost impossible to comply with the different state laws—give bond—pay from \$1.00 to \$20.00 cash—every state different. A National Law desired only if all state laws are repealed or made to conform to same."

"I am in favor of the National Inspection Law."

"I am heartily in favor of a National Inspection Law. Have no suggestions to make in regard to it."

"I am in favor of a National Inspection Law, and I think that every Nurseryman in the United States should be for same, and work with that end in view."

"I also wish to suggest that in the States where bonds have been filed, and license taken out for the selling of our goods, that one of these should be revoked, as both are very unjust. However, we would prefer to pay license, and have a National Inspection Law, rather than the present State Laws."

"I favor the National Inspection Law and trust that the tax put upon Virginia will be abolished in the future, as it is a pretty high minded piece of business."

"A National Inspection Law would, of course, be desirable, provided the federal government would furnish means to execute it. But from my experience on the Legislative Committee, I am satisfied that so long as Speaker Cannon is at the head of the lower house, not a single dollar of appropriation can be obtained for this purpose.

"I am so strongly convinced of this that I deem it idle to waste either time or money in the attempt."

"Nearly every state has laws in relation to that, and the only National Law I could suggest is that in any state that has inspection laws, and whose trees are inspected by a competent man, they ought to be admissible to every other state. The hoped up plan of some Nurseries to control the laws of the state in their favor, so that their state trees alone are valid, is not fair. I think there is a good deal of the pig in some laws as well as in some men, but it can be made to let all live in comfort."

"For the sake of uniformity which promotes convenience, I would like to see a National Inspection Law. On the other hand, we cannot take away from any state its right to protect itself, so I believe we ought to have a National Law to be applied just as far as it is right for it to go."

"Yes, we favor a National Inspection Law, because then we would know what was required of us and we would not be subject to the ignorant, one-sided whims of two by four inspectors."

Note and Comment.

The January issue of the NATIONAL NURSERYMAN has been considerably in demand by those who wish to post themselves in regard to the progress of legislation. One correspondent says, "I consider this article very important, and would like you to send it to a number of parties in an adjoining state, which is regarded as one of the 'arbitrary' states on legislation of this sort. I believe they will eventually fall in line, at least so far as Section B, is concerned."

CATALOGUES RECEIVED.

Henry Eckford, Wem, Shropshire, England. "Eckford's Novel-ties, 1908." Sweet peas a specialty.

D. Hill, Dundee, Illinois. Evergreens a specialty. Catalogue of hardy evergreen seedlings, transplanted evergreens, ornamental trees and tree seedlings, etc.

J. Hein's Söhne, Halstenbek, Germany. Illustrated pamphlet showing views on the grounds and in the buildings owned by the firm. Also a price list of forest trees, hedge plants, fruit trees, etc.

B. W. Stone, Thomasville, Ga. Fruit guide and catalogue. Paper shell pecans a specialty.

Fancher Creek Nurseries, Fresno, Cal. Price list of Burbank's late introductions.

Huntsville Wholesale Nurseries, Huntsville, Ala. Price list of fruit trees, Jan. 11, 1908.

J. M. Thorburn & Co., 33 Barclay St., New York City. "Thorburn's Seeds, 1908," an illustrated book of 140 pages, giving descriptions and prices of seeds of vegetables, deciduous trees, and flowers, miscellaneous bulbs, etc.

Gainesville Nurseries, Gainesville, Fla. Catalogue and price list of fruits and flowers for the Southland, 1906-7.

The Griffing Bros. Co., Macclenny, Fla. 1908 Tree Catalog, illustrated.

The Scandinavian Tree Seed Establishment, Copenhagen-F, Denmark. Price list of seeds of conifers and deciduous trees.

Mount Arbor Nurseries, Shenandoah, Iowa. Trade list for Spring, 1908.

FROM OUR EXCHANGES.

Baltimore, Md.—Professor T. B. Symons, State Entomologist for Maryland, has been elected secretary of the American Association of Horticultural Inspectors, in-session at Chicago, and appointed as one of a committee of three to represent the Association of Economic Entomologists at the annual meeting of the American Association of Nurserymen next June to be held in Milwaukee, Wis.

Roslindale, Mass.—The Oakdale Nursery Company has purchased a 75-acre farm at Wadsworth, Mass., where they intend to grow

their stock, but will retain their present farm as headquarters. They will add to the stock at their new location iris, phlox, dahlias, and a general collection of perennials and flowering shrubs. They expect to set out from 25 to 30 acres of peaches this spring.

Franklin, Mass.—The Continental Nurseries have purchased an additional 10 acre plat which will be devoted entirely to the growing of trees and evergreens, while the 28 acres contained in the home grounds will be reserved for the growing of shrubbery and hardy plants only. Plans have been completed for fitting up the interior of the large barn into an up-to-date packing shed with storage cellar underneath.

Adrian, Mich.—The firm of Elmer D. Smith & Company has succeeded Nathan Smith & Sons. The new firm will discontinue many lines formerly handled, and will devote their entire time and energy to the development and improvement of asters and chrysanthemums.

Council Bluffs, Ia.—On the morning of December 31 last, fire in the establishment of the F. W. Meneray Crescent Nursery Company started in a pile of excelsior used for packing plants, causing \$25 damage.

New York.—Mackintosh has been incorporated to do a nursery business, capital, \$2,500. Directors: Elizabeth Mackintosh, 11 Perry street; Joseph Malone, 331 East Forty-second street; C. A. Flynn, 63 West Ninety-sixth street, New York.

Bloomington, Ill.—The Phoenix Nursery Company has increased its capital stock from \$200,000 to \$300,000.

Flushing, N. Y.—The final dissolution of the firm of Parsons & Sons was effected at a meeting at the temporary office of the firm on Rose street. Thus ends one of the oldest nursery establishments in the United States, the late Samuel B. Parsons and men associated with him being pioneers of this industry. Many noteworthy shrubs were introduced to this country through this firm, notably the flowering dogwood and the weeping beech. Much of the good work done by the company will be continued by men who were connected with it, notably Patrick Lawlor, the organizer of the Flushing Nurseries.

Springfield, Ill.—The Phoenix Nursery Co. has increased its capital stock from \$200,000 to \$300,000.

The Stumpp & Walter Company of 50 Barclay street are showing some fine specimen hollies in tubs, the plants being particularly well berried and ornamental in every respect. Mr. Stumpp, who with his wife and family, has been enjoying a tour in the South, had his vacation suddenly brought to an end by being called home to the store on account of illness among the staff. He was in New Orleans at the time, and came direct from there, arriving here last Saturday.

At the meeting of the Southern Illinois Horticultural Society, held at Belleville, A. V. Schermerhorn and E. G. Mendenhall were re-elected president and secretary respectively.

Des Moines, Ia.—The Grand View Nursery and Orchard Company has completed its fine new office building and warehouse at East Ninth and Hull streets and will occupy it shortly. Owing to the company extending its field of operations, the packing and shipping will commence earlier this year, lasting through January and February.

Jamestown, N. Y.—The Lake View Rose Gardens have been incorporated with a capital stock of \$50,000. Incorporators: A. N. Broadhead, N. A. Broadhead and W. A. Bradshaw.

Nursery Stock for China.

There could be no better proof of the popularity and fame of products grown in Vancouver, says the Vancouver *Advertiser*, than an order filled December 12, by M. J. Henry, the pioneer nurseryman of Mount Pleasant for \$600 worth of general nursery stock for shipment to Shanghai. The order was received by mail, and the sender has evidently gone pretty well through Mr. Henry's catalogue, for there was something ordered from nearly every page.

Mr. Henry says that a year ago this fall he sent a shipment of 2,000 fruit trees to the Rainbow ranch in Okanagan valley. The buyer was told that it was utter folly to plant them in the fall, but only lately he sent Mr. Henry another large order saying that the first 2,000 were doing well, only six having died from being eaten by moles.

Business Changes.

The nurseries of the Realty Syndicate Co., Oakland, Calif., have been leased by J. A. Frutado.

Joseph Menny of Fresno, California, has purchased the Macomber estate at Chicopee, Mass., and will engage in market gardening.

William White has purchased the business of Robert Miller at E. Brookfield, Mass. It is reported that Mr. Miller will locate near Salt Lake City, Utah, and take up the business of rose growing on a large scale.

APPLE NOTES FROM CALIFORNIA.

I sold my apples on the tree except a few for home use and some of the better new varieties for specimens. KING DAVID is much improved this year, and on some trees were certainly fine—much better than ever before. The tendency to overbearing seems to be its worst fault, and it has but little that it can afford to lose in size. Thinning is the only remedy I saw for it will bear in spite of you.

DELICIOUS was also very fine, large and high colored. I found two growing on one twig, that were nearly round and a very dark red. Will plant the seed as an experiment.

STAYMAN is certainly a wonderful apple here.

WINTER BANANA is another apple that is improving year by year, and the fruit seems perfect this year, beautiful and more uniform in size than it has been other years.

BLACK BEN was a little off this year. The trees, like all the Ben Davis family, except Shackelford, is very subject to mildew here and it affected the fruit a good deal this year.

PARAGON was full and fine—forty boxes from two of the trees.

Ahwahnee, Cal.,

FRANK FEMMONS.

APPALACHIAN-WHITE MOUNTAIN BILL.

Dear Sir:

The Appalachian-White Mountain Bill, urged by the President, unanimously passed by the Senate, and unanimously recommended by the House Committee of the LIXth Congress, failed to reach a vote in the House.

In consequence, denudation of southern and eastern water-sheds continues unchecked; and agriculture, commerce, water supplies, waterways and waterpowers of priceless value are menaced or destroyed. The last Ohio Valley flood illustrates the danger.

This bill should not fail again. Its importance must be brought home to the people and to Congress. Its practical, commercial side must be emphasized. Friends of the measure must be enlisted and organized. There is no time to lose. An educational campaign must be made.

The American Forestry Association, national in scope and effort, is waging this campaign. It seeks to reach the people through the printed page and the lecture platform. Its literature should be scattered broadcast and its speakers sent throughout the land. To win, this Association must have funds. Its membership, now over six thousand, should be multiplied. It appeals to all who appreciate the need.

We shall be glad to welcome you to this organization and to receive your cooperation in forwarding this great work.

Very truly yours,

Sec. Am. Forestry Assoc.

THOS. E. WILL.

ORLANDO HARRISON BEFORE MARYLAND HORTICULTURAL SOCIETY.

At the last meeting of the Maryland Horticultural Society in Baltimore, President Orlando Harrison presented a strong address covering various features affecting fruit

growers and nurserymen. In speaking of unsatisfactory express service he said, "Of all the troubles we have in marketing our products, the abuses of the express companies stand out most prominently. Inefficient employees, irresponsible employees, result in more carelessness, more overcharges more losses and more stealing than occurs in any business I know of today; and the patron pays for all this inefficiency. Hardly an agent in a hundred understands the rates and attempts to apply them correctly. Customers of nurserymen are robbed, shippers are robbed, both in regard to rates charged and in connection with the common practice of pilfering from the fruit packages forwarded. Fruit growers and nurserymen should stand together for a reorganization of express companies, and for a service which shall be reasonable and efficient."

Mr. Harrison urged the institution of a parcels post, and a better freight service.

On the matter of quality of stock he stated that tree planters are growing more exacting in regard to the stock that they buy, are less in favor of cheap trees, and realize more and more the value of a well grown article. He believed with J. H. Hale that inferior nursery stock was one of the greatest retarding influences to the progress of the nursery industry. Mr. Harrison was very optimistic regarding the future of fruit growing in Maryland, and urged growers to study conditions, study varieties, plant and care for in the most approved manner, and to those who worked perseveringly and conscientiously he promised satisfactory rewards.

The NATIONAL NURSERYMAN

Gentlemen:

Find enclosed check for \$1.00 for year's subscription to NATIONAL NURSERYMAN to January 1909. I think it one of the best nursery periodicals that come to my desk.

Yours very respectfully

WM. J. CHAPMAN.

LITERARY NOTE.

Ex-President Grover Cleveland has written a remarkable article on "Our People and Their Ex-Presidents" for *The Youth's Companion*, which was published in January issue. In it Mr. Cleveland says:

"As I am the only man now living who could at this time profit by the ideas I have advocated, I hope my sincerity will not be questioned when I say that I have dealt with the subject without the least thought of personal interest or desire for personal advantage. I am not in need of aid from the public Treasury. I hope and believe that I have provided for myself and those dependent upon me a comfortable maintenance, within the limits of accustomed prudence and economy, and that those to whom I owe the highest earthly duty will not want when I am gone. These conditions have permitted me to treat with the utmost freedom a topic which involves no personal considerations and only has to do in my mind with conditions that may arise in the future, but are not attached to the ex-President of to-day; and I am sure that I am actuated only by an ever-present desire that the fairness and sense of justice characteristic of true Americanism shall neither fail nor be obscured."

"Can't well afford to be without the NATIONAL NURSERYMAN.
Enclosed find my check to pay for same."

Respectfully,

F. B. GARRETT.

The NATIONAL NURSERYMAN

Rochester, N. Y.

Gentlemen:

Your favor of the 3d inst. at hand and we enclose you check for \$1.00 in payment of our renewal.

We are pleased to state that we consider your paper the best in its line published, and hope that it will continue to meet with the success which it merits.

Yours truly,

J. WRAGG & SONS CO.

Correspondence.

REPORT CHAIRMAN OF COMMITTEE ON NATIONAL INSPECTION.

BERLIN, MD., Jan. 18, 1908.

To the Members of the American Association of Nurserymen:

I beg leave to report to you that I attended the Horticultural Inspector's and Economic Entomologists' Meeting at Chicago, December 27th, 1907. I found a group of Horticultural Inspectors, Entomologists and Pathologists in a whirl in regard to what their duties were as between Nurserymen and the Fruit Growers. They thoroughly discussed the subject of how far they should go with the different State Laws. Even though they had been given power to execute the law, they seemed to realize the many hardships placed upon the Nurserymen oftentimes to the loss of thousands of dollars; and on the other hand, they must protect the fruit grower as he was dependent on the inspector to see that his trees were free from insect pests when planted.

It was interesting to note the difference in view of the men of years of experience in dealing with the San José Scale; so different in their views from those who had little or no experience. It would remind one of the old adage, "Experience is the best teacher," and many of them had a great deal of experience to their sorrow and regret. To an observer, it would appear that the inspectors in charge are a hard working class of men, who desire a National Law, or at least more uniformity. Their many papers on insect pests and their free discussion on the best methods to combat them were interesting and valuable.

We all know that a Nurseryman cannot and will not go into details in experimental work, and it is to the inspectors that we must depend for carrying out the experiments, that we should from time to time suggest to them. I more fully realize than ever the importance of the Nurseryman doing his full duty and parting with the practical information he is able to offer in our work to the men who can and will work out the problems.

I have sent the trade papers a summary of the replies I have received from the members, and on the basis of the varied replies received, I shall ask for more information from the nurserymen before making any recommendations.

Yours very truly,

ORLANDO HARRISON.

OUR ADVERTISERS.

"Let us spray" is the watchword! Our advertising pages show the opportunities for purchasing spray materials. The orchardist can take his choice of liquid or dust. The Dust Sprayer Mfg. Co. are enthusiastic over the possibilities of that method and undoubtedly it has much to commend it in certain situations. Note the advertisement of the Dust Sprayer Mfg. Co., Kansas City, Mo.

BOX SHOOKS AND LUMBER.

Goodwillie Brothers report a bright business outlook. "Note their ad."

The factories and mills are at Wausau, Wis., and Manistique, Mich., and they have as large a plant as any concern in the country. They carry large stocks of lumber and are able to make prompt delivery.

HIGH COMMENDATION.

"I fully agree with your correspondent," says President Hill, "that the January issue of the NATIONAL NURSERYMAN, is undoubtedly the best issue of your paper that has come to our office for the past five years. I have scanned it very closely, and want to compliment you upon this issue of the Journal."

LOUISIANA STATE HORTICULTURAL SOCIETY.

Dear Sir:

The fifth annual meeting of the Louisiana State Horticultural Society will be held in Minden, La., February 20, 21 and 22. The program will include discussions of subjects presented by the leading scientific and practical horticultural and agricultural men in the State. A representative of the U. S. Department of Agriculture will also be present.

The following subjects are among those on the program: Peach Culture, The Nursery, Care of the Orchard, The Cannery, Tomato Growing, Trucking, Apple Culture, Plant Diseases, Insect Pests, Pecan Culture, Fig Culture, School Gardens, Good Roads, Grape Culture, Fertilizers, Cut Flowers, Small Fruit, Home Improvements, Rose Culture, Hedge Plants, School Grounds, Bird Life, Horticulture and the Railroads, New Vegetables and Fruits.

There will be illustrated lectures at the night sessions. Ladies and the school children are especially invited. There will be reduced rates on all railroads. Ask your agent for a reduced rate, or a certificate which will secure one third return rate. A good meeting is promised. North Louisiana needs horticultural industries. Fruit and truck are profitable when cultivated intelligently. Come and join the movement for diversification along the lines of horticulture. You will have a good time and great profit. The proceedings will be published and sent to all members. Annual membership fee, \$1.00. Join the Society at once and secure the publications.

C. D. OTIS, President.

Lake Charles, La.

F. H. BURNETTE, Secy-Treas.

Baton Rouge, La.

PROTUMNA GAS SPRAYER.

The American Horticultural Distributing Co., of Martinsburg, W. Va., who have a very attractive advertisement elsewhere in the advertising columns of this issue, claim that their Protumna Gas Sprayer is so simple throughout that its durability is axiomatic. It weighs very much less than any sprayer having an engine and pump as well as a tank. It being filled with liquid can more easily be moved about an orchard than an empty sprayer of the other kind. This feature alone makes it especially serviceable to park superintendents, commercial sprayers, fruit growers, etc.

All readers of the NATIONAL NURSERYMAN who are interested in this Sprayer are requested to write the above named firm, who will give them all the information concerning the Protumna Gas Sprayer.

ANNUAL MEETING OF THE TENNESSEE STATE NURSERYMEN'S ASSOCIATION

Tulane Hotel, Nashville, January 31, 1908

INVITATIONS

All nurserymen, fruit growers, truck growers and florists are cordially invited to attend the meetings and take part in the discussions. Every nurseryman, and all those interested in fruit and vegetable growing, are urged to join the Nurserymen's Association. The membership fee is one dollar per year.

RAILROAD RATE

Nurserymen may take advantage of the rate of one fare plus twenty-five cents for return trip to Nashville, due to the meetings of the Masonic Grand Lodge in session at this time.

EXHIBITS OF SPRAY MACHINERY, INSECTICIDES, AND HORTICULTURAL TOOLS

Arrangements have been made with reliable firms manufacturing the same to make exhibitions and demonstrations.

FRUIT AND NURSERY EXHIBITS

Ample space will be provided for this display, and all are invited to bring or send fruit and all kinds of nursery stock. Those wishing to make exhibits, who cannot attend the meetings, may send same to the Secretary, in care of the Tulane Hotel.

Program

MORNING SESSION, 9:30 O'CLOCK

Address of Welcome
E. S. Shannon, Secretary of the Board of Trade, Nashville

EXECUTIVE COMMITTEE

President's Address—The Nursery Business in Tennessee and the South, from a Wholesale Standpoint. . . J. C. Hale, Winchester
Rose Growing in the South. S. M. Crowell, Rich, Miss.
Results of Recent Experiments in Plant Breeding
..... J. K. Postma, Union City

AFTERNOON SESSION, 2 O'CLOCK

The Selection and Arrangement of Ornamental Shrubs and Trees on Private Estates. A. I. Smith, Knoxville
Mutual Obligations Between Nurseryman and Customer
..... S. P. Fowler, Clinton
The Relation of the Department of Agriculture to the Nursery Interests of Tennessee. G. M. Bentley, Knoxville

TREES! TREES!

Get our prices before ordering elsewhere. Over 300,000 Scions to offer. Nurseries at Carrollton and Jerseyville, Ill.
JOHN A. CANNEDY N. & O. CO.,
Carrollton, Ill.

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP 1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

The Nursery Business in Tennessee and the South, from a Retail Standpoint
E. W. Chatten, Winchester; J. Marvin Miller, Winchester;
J. H. Austin, Antioch.

EVENING SESSION, 7:30 O'CLOCK

The Value of Bees to the Fruit Grower. John Davis, Spring Hill
Why the Nurserymen and Fruit-growers Should Co-operate
..... Orlando Harrison, Berlin, Md.
What New Varieties of Fruits Should Nurserymen Add to their lists for Propagation Symposium

List of officers of Tennessee State Nurserymen's Association—
President, J. C. Hale, Winchester; Vice-President, H. N. Nicholson, Winchester; Secretary-Treasurer, G. M. Bentley, Knoxville.

SOME REMARKABLE MISSOURI APPLES FROM STARK BROS. NURSERIES

The business office of the NATIONAL NURSERYMAN wishes to acknowledge receipt of samples of the Delicious, Black Ben and Stayman Winesap Apples, presented by Stark Bros. Nursery and Orchard Co. of Louisiana, Mo. These apples are most beautiful in color, and are very large, weighing on the average of twelve ounces each.

The Delicious is nearly round and quite a deep brilliant red. Stayman Winesap is certainly a most wonderful apple. It is somewhat cone shaped, and very richly colored. The Black Ben is without a doubt one of the handsomest apples we have ever seen. Its color is a solid rich, bright red.

Great pride has been taken in showing these apples to nurserymen who have visited the office of the NATIONAL NURSERYMAN and universal admiration and surprise has been expressed at the unusual beauty, size and perfection of this Missouri fruit.

"Stark's trees certainly bear delicious fruit."

PEACH TREES

Our stock is the finest we have grown in the last 25 years, a large proportion 6 ft. and up and 5 to 6 ft. grades—nothing finer for retail trade. We have all the leading commercial sorts including a heavy stock of Elberta; also a large well assorted stock of **CHERRY**, handsome, well rooted, 1-yr. and 2-yr. **APPLE**, 1-yr. and 2-yr., **PEAR**—St'd. and Dwarf, **PLUM**, **APRICOT**, **QUINCE**, **GRAPE**, **SMALL FRUITS**, **SEEDLINGS**, **SCIONS**, **ROOT GRAFTS**, **ORNAMENTAL TREES**, **SHRUBS** and **CLIMBERS**, **ROSES**, etc.

CAROLINA POPLAR in car loads—we can ship direct from Louisiana, Mo., Dansville, N. Y., Rockport, Ill., or Farmington, Ark.

Trade List for Spring now ready; send for it, or send us your want list for quotations.

STARK BROS. NURSERIES & ORCHARDS CO.

Louisiana, Missouri

W. FROMOW & SONS, Windlesnam, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1907, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

WE OFFER TO THE TRADE

For Spring 1908

APPLE TREES	. . . . .	3 1/4 and up
APPLE TREES	. . . . .	5/8 to 3/4
PIN OAKS	. . . . .	3 to 16 feet
RED OAKS	. . . . .	6 to 14 feet
CAROLINA POPLARS	{ 8 to 10 ft., 10 to 12 ft., 12 to 14 ft.	
AMERICAN ASH	. . . . .	6 to 14 feet
AMERICAN JUDAS TREE	. . . . .	6 to 8 feet
WEeping WILLOW	. . . . .	6 to 14 feet
HEMLOCK SPRUCE	. Fine trees from 2 to 8 feet	
WHITE PINE	. . . . .	2 to 6 feet

Also a large stock of Deciduous Shrubs, all sizes.
VIBURNUM PLICATUM, large stock from 1 to 5 feet.
VIBURNUM TOMENTOSUM from 2 to 5 feet.

SEND FOR SURPLUS LIST.

HOOPEs BRO. & THOMAS CO.

Maple Avenue Nurseries,
WEST CHESTER, PA.

For Spring 1908



Write for Special Wholesale Price List

We have a good surplus of small peach, 3 to 4 ft. and 2 to 3 ft. grades, all good varieties; also Keiffer pear, all grades, Strawberry plants, Carolina Poplar.

Write for estimates on your list of wants.



Southern Nursery Co.
WINCHESTER, TENN.

When writing to Advertisers mention The National Nurseryman.

Mayfield Nurseries

"Most Northern in America"

**FRUIT AND ORNAMENTAL
TREE SHRUBS, ROSES,
VINES, SMALL FRUITS, ETC.**

**EVERGREENS AND
EVERGREEN SEEDLINGS
SURPLUS OF NORWAY SPRUCE**

We make a specialty of growing nursery stock of hardy varieties of fruit and ornamental stock that is suited and adapted to the northwest. We devote our energies to growing stock that is suited to the northwest. Dealers will find our grounds excellent for packing. Our large storage warehouses are close by the railroad. Prompt attention given to all orders from the trade.

L. L. MAY & CO.

ST. PAUL, MINN.

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varieties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG VISIT NURSERIES
BOBBINK & ATKINS,
NURSERYMEN AND FLORISTS,
RUTHERFORD, N. J.

When writing to Advertisers mention The National Nurseryman.

WANTED

AGENCY CORRESPONDENT. Young Man of 4 or 5 years' experience, at one of the principal Nursery centers. A fine opportunity.

Address Box 45, Monroe, Mich.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Allow me an opportunity to figure on your wants. A postal will bring you a list of the best varieties.

SURPLUS CAROLINA POPLAR

2 to 3 feet; 3 to 4 feet and 4 to 5 feet.

Write for special prices.

Special attention to dealers, complete list.

INTERNATIONAL NURSERIES
DENVER, COLO.

Wanted—A man competent to propagate and grow ornamental and forest tree stock. Must be willing to fill gardeners position at first. Large farm, small but new and first-class greenhouse. A fine chance for an ambitious man to develop a nursery. Will furnish house, fuel and garden products. Address:

C. E. DWYER, Manager MORTON BROS.
NEBRASKA CITY, NEBR.

WE HAVE

500,000 Black Locust 12-18 inches

which we will exchange for large and small fruit, ornamentals, etc.

GALBRAITH NURSERIES, Fairbury, Neb.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

60,000 PEACH TREES

$\frac{3}{8}$ up, $4\frac{1}{2}$ to 6 ft., in assortment.

40,000 PEACH TREES

$\frac{1}{2}$ to $\frac{3}{8}$, $3\frac{1}{2}$ to 5 ft., in assortment.

Smooth bodies, full roots, carefully graded, mostly ELBERTA. In storage for Winter or Early Spring shipment.

38,000 KIEFFER PEAR

$\frac{3}{4}$ and up, 5 to 7 ft., very fine.

Write us for special prices on above, or on a general assortment of high-grade stock.

NEW HAVEN NURSERIES

NEW HAVEN, MO.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

SURPLUS LIST

2000 Norway Spruce, 2-3 ft., bushy.	5000 Sugar Maple Seedlings, 2-3 ft.	2000 Siberian Iris white
5000 B. Thunbergii, 12-18 in.	500 Paper Birch, 4-5 ft.	200 Veronica Spicata
1500 Spirea Van Houttei, 2-3 ft.	500 Azalia Nudiflora, 1-2 ft.	1000 Hardy Pinks
200 Cornus Florida, 2-3 ft.	800 Aquilegia Red,	500 Heliopsis Pitch
200 Cornus Florida Red, 2-3 ft.	2000 German Iris, best named,	1000 Helianthus Divaricata
200 Forsythia Fortunei, 2-3 ft.	2000 Japanese Iris, best named	1000 Aster Novae Angliae
200 Golden Elder, 2-3 ft.	500 Achillea (The Pearl)	
300 Calycanthus Florida, 2-3 ft.	1000 Spirea Sobata	
160 Tree Hydrangea, $2\frac{1}{2}$ - $3\frac{1}{2}$ ft.	2000 Hardy Phlox named	
200 Purple Berberry, 2 ft.	Conquelicot, Madam	
200 Photinia Villosa, 2-3 ft.	Muret, Madam Beganson,	
100 Syringa Grand, 2-3 ft.	Queen White, Etta's	
20000 Sugar Maple Seedlings, 6-12 in.	Choice, le Soliel d'Or	
	5000 Siberian Iris blue	

PEONIES, 3-5 eyes.

Festiva Maxima
Abanthus Purple
Louis Van Houtit, Red
Agida, dark crimson
Her Majesty Rose
Jenny Lind, bright pink

Lady Derby, white
General Bertrand, Salmon
Senora Bramnell, Silver
Pink
Princess May, cream white
Roses No. 1, 18-24 in., 3 or more branches
1000 C. Rambler
1000 D. Perkins
2000 Hybride Perpetuai in best varieties
2000 Rosa Rugosa, 18-24 in. 3 or more branches
Sir Thos. Lipton, Double White,

HANSA, double red.

2000 Hall's Honeysuckle, 15 in.
1000 Trumpet Vines, 3 yr.
300 Wistaria Multijga
500 Acorus Calmus, Variegata
500 Monkshood
300 Shasta Daisy
300 Pentstemon Barbatus
Packing at cost:
Fine stock, low prices
Satisfaction guaranteed.
"Send for price list."

Packing at Cost. Fine Stock, Low Prices. Satisfaction Guaranteed.

THE GRANGERS' NURSERIES, SEABROOK, N. H.

"Send for Price List."

When writing to Advertisers mention The National Nurseryman.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,
10,000 Peach, 1 year, 1 to 2 feet,
10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
50,000 Peach, June Buds, 18 to 24 inches.
1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON, Bridgeville, Del.

WHITE PINE SEED

1907 CROP

Guaranteed Absolutely Pure. Collected by ourselves in Northern Wisconsin. Also

PINUS STROBUS

If in need of any, write for prices, stating quantity.

EVERGREEN NURSERY CO.

STURGEON BAY, WIS.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock; Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

MAPLE BEND NURSERY

We have a good lot of Peach, Plum, and Pear (Standard and Dwarf) Cumberland, Kansas, and Gregg Raspberry, Eldorado, Taylor, and Early Harvest Blackberry (Root cutting plants.) Also Cut Leaf Birch 6 to 8 ft., and 8 to 10 ft. Weir's Cut Leaf Maple 8 to 10 ft., and 10 to 12 ft., and Silver Maple 1" to 2" caliper. A nice lot of large Shrubs. All the above fine clean Stock.

T. B. WEST Perry, Ohio

Pecan Grafting Wood for Sale

I have a fine lot of grafting wood of the following varieties: Moneymaker, James, Russell Columbian, Rome, Pride of the Coast, 20th Century, Schley, Frotcher, Georgia Giant and Carmen.

No order filled for less than \$1.00 worth. Prices furnished on application.

SAM H. JAMES Mound, La.

Victor Detriche, Nurseryman

ANGERS, FRANCE.

Grower and Exporter of
FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Mazzard, Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora, Forest Trees, Ornamental Shrubs and Evergreens, Conifers and Roses.

Catalogue and prices free on application.

Write direct, I have no agent.

When writing to Advertisers mention The National Nurseryman.

ASK FOR PRICES

We can ship, 24 hours notice

65,000 Standard Apple

Mostly 1st Grade, some 2d and 3d.

A fair stock of

Cherry, Gooseberry, Plum

On Native Plum Stocks.

IN SEEDLINGS:

Plenty of

Elm, Maple and Walnut.

SHRUBS:

Extra Fine

Snowball, Honeysuckle,

P. L. Berberry,

Spirea Thunbergii,

Anthony Waterer

2,000

Scarlet Trumpet Honeysuckle,

35,000 Evergreens,

12 inches up

Norway, White, Col. Blue Spruce,

White Scotch Pine,

Balsam Fir,

One car load large Carolina Poplar

C. G. Patten & Son,

CHARLES CITY, IOWA.

When writing to Advertisers mention The National Nurseryman.

Specialties for Nurserymen and Fruit Growers

THE SPEER GRAFTING MACHINE,
Thomas Tree Balers, Box Clamps, Bud Transplanter,
for Pecans, Walnuts, Chestnuts, Japan Plums, Figs., etc.

BRAGG TREE DIGGER, BEST SPADE, BEST CUTAWAY
DISC AND CULTIVATING HARROWS.

to put ground in shape for planting. Other good things for nurserymen, fruit-growers or orchardists. Send for catalogue, etc.

E. G. MENDENHALL, Gen'l Agent,
Box 316 KINMUNDY, ILL.

Climbing Roses One and Two Year Plants,
also a fine Stock of Clematis in three grades of the following Varieties:
JACK, HENRYII, and EDWARDS ANDRE.

Get my prices.

P. W. Butler, EAST PENFIELD, NEW YORK

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees,
Seeds.

Specialties: Black and Honey Locust, Mulberry, Myrobolans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.
Correspondence Solicited.

Catalogue and Prices Free on Application.

ESTABLISHED 1868

F. W. MENERAY CRESCENT NURSERY CO.

Council Bluffs, Iowa
INCORPORATED

Large stock of Apple and Crab for Spring 1908, also
Cherry, Plum, Pear, Gooseberry, Deciduous Trees and Ornamental Shrubs.

Write for prices on one or more cars of Apple.

Large growers of Pæonies, 90 Varieties.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit
and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc.
Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

FRUIT TREES

CAROLINA POPLARS
GRAPES

PRAEPARTURIEN WALNUTS

BLACK WALNUTS
ASPARAGUS

AUSTRALIAN WINTER RHUBARB—Myatts Linnaeus

BERRIES—Phenomenal, Himalaya Giant and Mammoth Blackberries and Raspberries. Large Assortment.

CHICO NURSERY CO.

CHICO, California

ESTABLISHED 1859

PEACH SEED

We have yet in hand several hundred bushels of choice Peach Seed, all crop
of 1907, which we offer at liberal prices and terms for immediate delivery, or for
spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

WOOD LABELS FOR NURSERYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our
careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

WANTED

5000 Sugar Maple Seedlings, nursery
grown, about 4-5 ft. Young and thrifty---
well-rooted. Send samples and prices to
Drawer 1044, Rochester, N. Y.

250,000 Amoor River Privet
Ligustrum Amurense.

Ours is the true variety, 2 1/2 to 3 feet, strong field grown plants.
Also a large stock of California Privet, 2 1/2 to 3 ft.

PETER'S NURSERY COMPANY
KNOXVILLE, TENNESSEE.

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,
Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler
IT DOES THE WORK. PRICE \$16.00.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch
nursery in Monticello, Florida.

H. M. SIMPSON & SONS,
Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of wine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

Azaleas
Ghent-Mollis
and Native

Rhododendrons
Hardy Hybrids
all sizes

Boxwood
Pyramidal
Standard

Rare Evergreen Trees and Shrubs

Specimen Stock

Herbaceous Perennials

OVER 1000 VARIETIES

We grow everything required for Garden, Lawn and Landscape Planting and furnish complete lists. General catalogue and trade list on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

SPECIAL.

PEARS STANDARD—Leading varieties.
PEARS DWARF—Mostly Duchess.
PLUMS—Mostly Burbank and Lombard.
BLACKBERRIES—Root Cutting Plants of Early Harvest, Rathbun, Snyder, Taylor and Eldorado.
CATALPA SPECIOSA—6 to 8 ft.
CATALPA BUNGEI—Strong 2 year heads.
ELM, AMERICAN—8 to 10 ft. and 10 to 12 ft.
ELM, SCOTCH OR BROAD LEAVED—8 to 10 ft. and 10 to 12 ft.
LIQUIDAMBER—5 to 6 ft. and 8 to 10 ft.
SYCAMORE, AMERICAN—6 to 8 ft. and 8 to 10 ft.
SYCAMORE, EUROPEAN—6 to 8 ft.
DEUTZIA, PRIDE OF ROCHESTER—2 to 3 ft.
PHILADELPHUS, LEMOINEI—2 to 3 ft. and 3 to 4 ft.
SPIREA, BILLARDI, REEVES, VAN HOUTTI, AND TOMENTOSA.
WEIGELIA, ROSEA AND VARIEGATED—2 to 3 ft. and 3 to 4 ft.
100,000 CALIFORNIA PRIVET—12 to 18 inches, 1 year branched.
ROSES, HYBRID PERPETUAL AND RAMBLERS—In good assortment.
1000 PHLOX, WHITE.
A General Assortment of Fruit and Ornamentals.

W. B. COLE, Painesville, O.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

Send list of wants for lowest prices
f. o. b. here.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

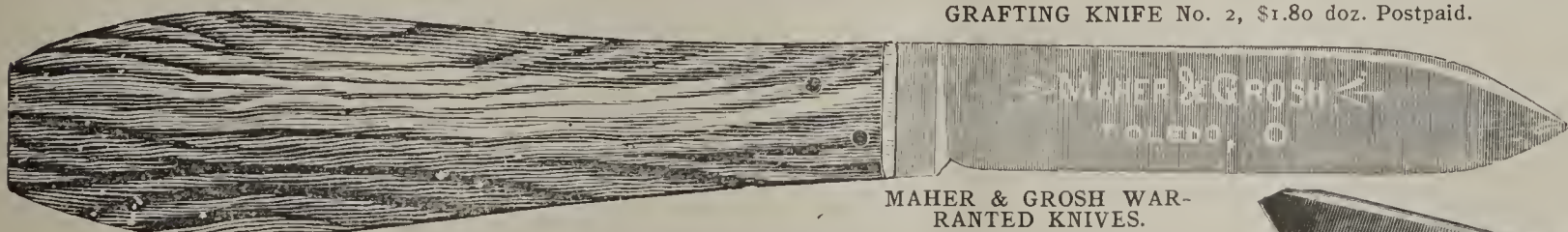
T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

Wanted--Xanthorrhiza Apiifolia.

We want several thousand of these plants, and will be glad to have quotations on what you can supply, stating size and quantity.

The Stumpp & Walter Company, 50 Barclay St., N. Y. City.



GRAFTING KNIFE No. 2, \$1.80 doz. Postpaid.

MAHER & GROSH WAR-
RANTED KNIVES.

FLORISTS' KNIFE
White Handle
No. 89
50c. postpaid

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89½ has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO.

When writing to Advertisers mention The National Nurseryman.

PAN HANDLE NURSERIES,

GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.
Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

EUONYMUS

Radicans 1—1 1-2 ft. and 2—2 1-2 ft.

ATTRACTIVE PRICES.

Brae-Burn Nursery - West Newton, Mass.

WE HAVE THEM

IN LARGE SUPPLY

Apple Plum Peach

Leading sorts, 15,000 Elberta alone. Right prices will be quoted on this stock, and on a general line of Nursery stock.

Address, A. C. Griesa.

MOUNT HOPE NURSERIES

LAWRENCE, KANSAS.

Forest Trees

Seedlings and Transpl, very cheap.

Millions of Alder, Maple, Sycamore, Birch, Beech, Hornbeam, Hazel, Common Ash, American Ash, Black Walnut, Privet, Canadian Poplar, Black Cherry, Common Oak, Red Oak, Pin Oak, Acacia, Sweet Briar, Limes, Thorn Quicks, Elm, Red Cedar, Abies, Arizonica, Silver Fir, Spruce Fir, Blue Spruce, Sitka Spruce, Bank's Pine, White Pine, Scotch Fir, American Arbor Vitae, Europ and Japan Larch, Douglas Fir, etc., etc.

Apple and Pear Stocks, Briars, and other Stocks, ready for grafting. Transplanting, a specialty. All from sandy soil with excellent roots. Special prices for larger quantities. Best shipping facilities, via Hamburg, at lowest freight. Catalogues free. The largest nurseries in Germany. Shipments of 150 millions plants annually.

Halstenbek, Germany, is the centre of vast nursery interests in Europe, which supply immense quantities of Forest Trees and other Nursery Stocks.

J. HEINS' SONS,

Halstenbek No. 26, nr. Hamburg (Germany)

THE CURETON NURSERIES

AUSTELL, GA.

OFFER FOR WINTER SHIPMENT.

3 yr. Pecan, 1 and 2 yr. English and Black Walnut Trees. Year old and June Bud Peach, 1 and 2 yr. Apple, Pear, Plum, Cherry, Quince, Hicks Mulberry, Brown Turkey Fig, Grapevines, Carolina Poplar, Catalpa, Box Elder, Am. Linden, Magnolia Grandiflora, Forest Trees, Amoor River Privet, Roses, Spruce, Arborvitae, Pines, &c., &c. I also offer a few bushels of PEACH SEED, CAR. POPLAR and AMOOR RIVER PRIVET CUTTINGS.

Everything fine, clean and healthy. Satisfaction guaranteed.

JAMES CURETON, Proprietor.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

WANTED NURSEYMEN with Families of THREE OR MORE BOYS, to go to Pacific Coast. Best climate in America. Living Cheap. Good Wages. Address O., care of NATIONAL NURSEYMAN, Rochester, New York

Grafted Pecan Trees

THE NUT NURSEY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.

Headquarters for London Planes, Tilia dasystylla. Dutch Elms in extra fine specimens. Hydrangea paniculata grandiflora. Silver variegated Maples.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

LABELS FOR NURSEYMEN

THE BENJAMIN CHASE CO., Derry, N. H.

When writing to Advertisers mention The National Nurseryman.

J. WRAGG & SONS COMPANY,
WAUKEE, IOWA,

Have to offer to the trade a fine line of Standard Fruits.
Ornamantals and Evergreens.

Stock carefully grown and bound to please.

BOX STRAPS

Any Lengths up to 63 Inches.

Light, soft, strong, cheap, convenient. Eight straps 12 inches
long cost one cent. We sell 300 nurserymen.
Write for price list.

WARD-DICKEY STEEL CO.

INDIANA HARBOR, IND.

MANUFACTURERS OF PLANISHED SHEET STEEL.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.

NEWARK, N. Y.

Fine Assortment of **PEACH**

2 to 3 feet, 3 to 4 feet
and 4 feet and up

Nice clean stock.

Prices Right.

JOHN A. YOUNG

GREENSBORO, N. C.

SMALL FRUIT PLANTS

FOR THE NURSERY TRADE.

Raspberry, Blackberry, Gooseberry and
Currants, Currant and Gooseberry Cut-
tings, half million Black and Purple Rasp-
berry Tips.

Send me your want list to day. Address

P. D. BERRY

Dayton, Ohio

R. R. No. 3

Bell Phone 3968L.

**BERBERIS
THUNBERGII**

Two year transplants 12 to 18 inch and 18 to 24 inch grades.
30,000 2 yr. seedlings, 6 to 12 inch; Vinca Minor (Grave Myrtle),
Red Oak and Viburnums.

OAK HILL NURSERIES :: Roslindale, Mass.

BALTIMORE NURSERIES Franklin Davis Nursery Company
BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

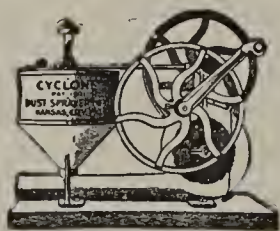
Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

THE DUST SPRAY PEOPLE,



PLEASE ASK FOR SERIES A

Accepting the liquid spray formulas for what they were worth,
as demonstrated by their use, commenced their improvement
six years ago from the standpoint of the grower. Every
season since has been one of advancement and progress. It
required a number of successive seasons to determine the
facts in regard to the fungicide element. Write the Dust
Sprayer Mfg. Co., 1224 West 9th Street, Kansas City, Mo.,
for a summary of their work and results.

The Practical Growers' Way

75% CHEAPER

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest
shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before
buying elsewhere.

When writing to Advertisers mention The National Nurseryman.



HEIKES'--HUNTSVILLE--TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1908, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock of two years old for the Fall of 1905 and Spring of 1906 counted up 250,000, and all were sold. Our stock for the coming season will exceed that of last, and our prices will be reasonable.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Alamo, Bartlett, Smith's Garber, Duchess d'Angoleme, Seckel, Flemish Beauty, Kieffer, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

WORLD'S FAIR—We were awarded a Grand Prize, a Gold Medal and a Silver Medal on our exhibits at the World's Fair, St. Louis.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

Mount Arbor Nurseries

E. S. WELCH, Prop.

136 Center St.,

SHENANDOAH, IOWA

A Surplus of
PLUM—Native on Native roots.

APPLE AND CRAB--all grades,
over 100 varieties.

CHERRIES—Sweet and Sour
sorts.

BLACKBERRIES—leading
kinds, root cutting plants.

SPIREA VAN HOUTTE, 2 to 3
and 3 to 4 feet.

CRIMSON RAMBLER XX, No.
1, No. 1½, No. 2.

OSAGE ORANGE
CATALPA AND HONEY
LOCUST SEEDLINGS

One of the

**MOST
COMPLETE
ASSORTMENTS**

of General Nursery
Stock in the coun-
try.

Our equipment
and facilities are
unsurpassed.

Ask for Spring
Trade List, now
ready.

Correspondence
and inspection in-
vited.

APPLE SEEDLINGS

FRUIT TREE STOCKS OF ALL KINDS

Grafts Made to Order

Nebraska Grown

AMERICAN PLUM, EUROPEAN PLUM,
APPLE, PEAR, PEACH AND CHERRY
TREES. :: :: :: :: :: :: :: ::

Large Stock of Shade and
Ornamental Trees, Snow-
ball, Syringa Spirea,
Deutzia, etc. Forest Tree
Seedlings well graded and
prices right. :: :: ::

Send list of wants to

YOUNGERS & CO.

GENEVA, NEBR.

When writing to Advertisers mention The National Nurseryman.

COMPARE

Goulds Sprayers

with others—notice the
difference in weight, the
seamless Brass Cylinders
and large Air Chambers—
the ease with which all
working parts can be
reached, and you will be
convinced that they are
superior to any.



Every Nurseryman and Florist

SHOULD HAVE A COPY
OF OUR NEW BOOK

"How to Spray—When to Spray
and What Sprayers to Use."



It contains many for-
mulas for preparing
spray mixtures—when
to apply them—and
describes our com-
plete line of Hand and
Power Sprayers. Sent
free on application.

The Goulds Mfg. Co.

Seneca Falls, N. Y.

New York, 16 Murray Street

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

DREER SPECIALTIES

Hardy Perennials in immense quantities and greatest assortment—Japanese Anemones, Aquilegias, Hardy Asters, Campanulas, Hardy Chrysanthemums, Delphiniums, Hardy Grasses, Hemerocalis, Heleniums, Helianthus, Hollyhocks, Japanese and German Iris, Lychnis, Paeonies, Phloxes, Hardy Pinks, Primulas, Pyrethrums, Rudbeckias, Thalictrums, Tritomas, Veronicas—in fact everything in the Hardy Perennial line worth growing.

Decorative Plants—Palms, Ferns, Ficus, Pandanus, Araucarias, Dracaenas, etc.

Hardy Decorative Plants—Aucubas, Box-wood and Bay Trees in all shapes and sizes; a large assortment.

Dahlias—Over a quarter of a million strong field-grown roots in stock in over 200 varieties in Cactus, Show, Fancy, Decorative, Paeonia-flowered, Pompone, Single and Century types.

Hardy Climbers—Ampelopsis, Bignonias, Aristolochias, Akebias, Clematis, Honeysuckles, Hardy Ivies, Wistarias, etc.

Bulbs—Amaryllis, Begonias, Caladiums, Gladiolus, Lilies, Trigidias, Tuberoses, etc., etc.

All of the above as well as other seasonable stock is fully described in our Wholesale List issued quarterly.

HENRY A. DREER

714 Chestnut Street, Philadelphia, Pa.

You Need Them and We Have Them WHAT?

WHY ALMOST ANYTHING IN THE WAY OF

Fruit and Ornamental Trees

Grafted Pecans and Pears Especially

WE CAN HANDLE LARGE ORDERS TO
YOUR ENTIRE SATISFACTION. WRITE US

ARCADIA NURSERIES

WHOLESALE—RETAIL.

J. H. Girardeau, Jr., Mgr.

MONTICELLO, FLA.

Surplus List of Specimen Trees

70 Alder, European 1 3/4 to 2 in. cal.
55 Alder, European 2 to 2 1/2 in. cal.
325 Ash Am. White 6 to 8 ft.
110 Ash Am. White 8 to 10 ft.
35 Ash Am. White 10 to 12 ft.
750 Catalpa Speciosa 1 1/2 to 2 in. cal.
60 Cypress, Deciduous 6 to 8 ft.
105 Elm, cork barked 8 to 10 ft.
60 Elm, cork barked 10 to 12 ft.
900 Mulberry, Russian 6 to 8 ft.
200 Liquid Amber 6 to 8 ft.
170 Elm, American 2 to 2 1/2 in. cal.

90 Elm, American 2 1/2 to 3 in. cal.
70 Elm, American 3 to 4 in. cal.
26 Elm, American 4 to 5 in. cal.
These Elms were transplanted 3 years ago and have a fine root system and uniform tops.
148 Butternut 6 to 8 ft.
50 Butternut 8 to 10 ft.
45 Black Walnut 6 to 8 ft.
36 Black Walnut, 8 to 10 ft.
2100 Maple, Silver 8 to 10 ft.
850 Maple, Silver 1 1/2 to 1 3/4 in. cal.

This stock was grown for our regular retail trade and are perfect specimens of their respective types. We will quote special low prices for early orders.

The Cassel Nursery Company
CLEVELAND, OHIO

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery

WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN and DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other

AMERICAN PLANTS.

(A good stock of all hardy varieties of Rhododendrons).

CLEMATIS and other HARDY CLIMBING PLANTS.

Transplanted FOREST TREES.

The stock is in excellent condition.

Large quantities shipped annually.

SURPLUS

Bartlett Pears
 Keiffer Pears
 Balt. Belle Roses
 Q. of Prairie Roses
 Silver and Norway Maples
 Am. Elms

2 1/2 to 4 1/2 inches Caliper

E. MOODY & SONS,

LOCKPORT, N. Y.

NIAGARA NURSERIES,

Established 1839.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments
 in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
 and Native Plum, Peach, Ornamental Trees and a
 fine lot of Poplars, including 1 yr. whips. Lots of
 shrubs, vines, roses, evergreens, herbaceous and
 perennial plants. Also a nice lot of 1 yr. grapes
 that promise to be good stuff.

Correspondence solicited and inspection invited.

Forest Tree Seedlings

We are now booking orders for the following forest tree seedlings,
 all of our own growing, well graded in sizes given below. Write us
 for quotations by the thousand, or in car lots. Our prices are right;
 so is our stock.

Black Locust, sizes	8-12 in. 12-18 " 18-24 "	Catalpa Speciosa, sizes	8-12 in. 12-18 " 18-24 "
	2-3 ft. 3-4 "	Russian Mulberry, sizes	6-8 " 8-12 " 12-18 "
Honey Locust, sizes	4-8 in. 8-12 " 12-15 "	Osage Orange, sizes	4-8 " 8-12 " 12-18 "
Box Elder, sizes	4-8 " 8-10 " 10-15 " 15-24 "	Black Walnut, sizes	12-18 " 18-24 "

GERMAN NURSERIES,

CARL SONDEREGGER, Prop.

BEATRICE, NEB.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
 GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street

New York City.

American Nursery Company

COMBINING

Fred'k W. Kelsey, New York City
 F. & F. Nurseries, Springfield, N. J.
 Bloodgood Nurseries, Flushing, L. I.
 N. J. & L. I. Nurseries

We can supply your every need

Write for prices

SALES DEPARTMENT

150 Broadway,

New York

When writing to Advertisers mention The National Nurseryman.

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,

Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem
 Kieffer and LeConte Standard Pears 2 yr. fine trees; Can
 offer 50,000 Peach Seedlings, grown from Natural Peach
 Pits, nice size for lining out in Nursery for budding, or suit-
 able for grafting in the South, also a nice lot of Japan Pear
 Seedlings. Correspondence solicited.

When writing to Advertisers mention The National Nurseryman.

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

Established 1874

Capital and Surplus \$100,000.00

In the Heart of the Great Southwest

Our long growing season gives wonderful development, our shipping season great advantages.

Largest and best assorted stock in the South.

Teas Weeping Mulberry, Bungeii Catalpa, Roses, etc., in large supply and best values.

Our Trade List on application. Orders booked now for Fall or Spring delivery. Car lots a specialty.

Address, Texas Nursery Company
Sherman, Texas.

Winfield Nursery Co.

Winfield, Kansas

OFFER

Peach Seed, 50 bushels

Black Locust, 3-4 ft. 53000

2-3 ft. 130000

18-24 in. 535000

12-18 in. 325000

6-12 in. 240000

Mahaleb, French, 5-9 mm. 100000

5-8 mm. 46000

4-6 mm. 100000

Mahaleb, home grown extra heavy 111000

5-8 mm. 227500

4-5 mm. 182300

2-4 sold.

Myrabolen French, 4-5 mm. 3000

Myrabolen Home, 7-10 mm. 5000

5-7 mm. 5000

4-5 mm. 7000

French Pear, 6-10 mm. 50000

5-7 mm. 45000

Japan Pear, No. 1 3-16 in. 16500

Quince (Anger) 5-7. 30000

Apple, French Crab, 3-16 in. br. 25000

3-16 in. St. 25000

No. 2, 3-16 in. br. 30000

3-16 in. St. 295000

Cherry two years old, 3/4 in. and up. 2000

5/8-3/4 in. 8000

Varieties—Dyehouse, Early Richmond, English Morello, Montmorency, May Duke, Ostheim and Wragg.

ALSO SHADE TREES IN CAR LOTS.

WINFIELD NURSERY COMPANY.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees, Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seedlings, including Catalpa Speciosa. Small Shrubs for transplanting. Special prices quoted on Snowballs, Spirea Van Houttii, Revesii, and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft. Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

TWO HUNDRED ACRES FIELD GROWN ROSES

Own Root—Leading Varieties

SHRUBS, JAPANESE IRIS, PAEONIES

In Thousand or Car Lots

THE UNITED STATES NURSERY CO.

RICH, MISS.

SPRAY WITH SCALECIDE
IT HAS NO SUPERIOR

"Scalecide" is the only oil spray that is a combined fungicide and insecticide, controlling peach curl brown, rot, etc., while positively destroying San Jose Scale and all soft-bodied sucking insects without injury to the tree or fruit bud.

The Philadelphia Farm Journal for Nov., page 442, says that Lime-Sulphur is practically a failure in most instances and advises us to use of "SCALECIDE" as better and easier to apply.

Prof. John B. Smith of the New Jersey Experiment station in the 1906 report, page 590, says: "It is almost impossible to injure a dormant tree with 'SCALECIDE' diluted in any reasonable way and successive applications do not produce a cumulative effect because no residue remains to accumulate."

Mr. C. M. Porter of Marshallville, Texas, on September 23rd, 1907, writes: "SCALECIDE" is far superior to anything in use. It has almost completely exterminated the scale. Everything considered it is the cheapest.

You will say the same after giving "SCALECIDE" a fair trial.

DO NOT DELAY SPRAYING

Insect enemies are constantly at work and your trees may be ruined beyond recovery by delay. Order a barrel now. 50 gallons at \$25.00 makes from 800 to 1,000 gallons of spray costing 2 1/2c to 3c per gallon anywhere east of the Mississippi and north of the Ohio Rivers. Smaller packages if desired. Drop us a postal card mentioning this paper and we will send you free sample and full information. Ask for Booklet B.

B. G. PRATT COMPANY, - **Mfg. Chemists, 11 Broadway, N. Y. City**

When writing to Advertisers mention The National Nurseryman.

AT AUCTION! SHRUBS AND HARDY ROSES

Beginning MARCH 31, 1908 and thereafter every TUESDAY and FRIDAY until further notice, at 9:30 A. M., we shall sell at PUBLIC AUCTION the largest and most varied assortment of HIGH CLASS FLOWERING SHRUBS ever brought to this side of the Atlantic. They embrace Rhododendrons, Azaleas, Clematis, Hydrangeas, Snowballs, etc. Also thousands of the finest HARDY ROSES; also FANCY EVER-GREENS—Box, Golden, Juniper Retinospora, etc. This elegant assortment meets all possible tastes for Landscape Effects, or Veranda, Hall, Restaurant, or Hotel Adornment—and ALL AT YOUR OWN PRICE. Don't miss this grand opportunity. First sale of the season. Handsome Catalogue at sale. We guarantee all stock first class unless otherwise stated at sale. Send for catalogue.

N. F. McCARTHY & CO.,
HORTICULTURAL AUCTIONEERS
84 HAWLEY STREET, BOSTON, MASS.

WHITE PINES

4,000 Pinus strobus for
spring shipment. Sizes,
2 to 6 ft. Special price
in car lots.

HARLAN P. KELSEY,
SALEM, MASS.

Get Our Prices on 5 Red Emperor
Table Grapes Grown in California. We tell how to grow this grape
in any Climate. Large Souvenir Catalogue showing largest tree in
the World Free.

Address:

The Fresno Nursery,

Box P. P. 42 Fresno, California.

Largest Growers of grape Vines in the United States.

Bridgeport Nurseries

C. M. HOBBS & SONS

—Successors to—

ALBERTSON & HOBBS,
: BRIDGEPORT, IND. :

FOR SPRING OF 1908

PLUMS (large stock, all grades) European, Japan, AMERICANA, CHERRIES, PEARS, Std. and Dwf. (all grades), APPLE, PEACH, QUINCE, GRAPE, CURRANTS, SMALL FRUITS, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, ROSES, etc., etc. APPLE SEEDLINGS, FOREST SEEDLINGS, IMPORTED CHERRY, PEAR, PLUM SEEDLINGS.

Grafts put up to order only—

NO JOB LOTS TO OFFER

Our SPADES the cheapest and best in the market.

TRADE LIST READY FEB. 7TH.

We can supply any amount of light grade pear, cherry, apple, peach and plum.

We also have a fine lot of C. Poplar and Ornamental plants. Unusually fine lot of Burberry. Thumbergii. Special prices on light grades Fruit Trees Polars and Thumbergii.

WANT LISTS PRICED PROMPTLY.

SURPLUS

One-half inch Pears, Plums and Cherries, Red Snowberry, Paeoniflora and Jeanne d'Arc Altheas, Rhodotypus, Red Branched Dogwood, Deutzias in variety. Common Purple Lilac. Japan Snowball, 5 to 6 ft., and 2 to 3 ft. American Arbor Vitae, 4 to 5 ft., and 3 to 4 ft. Irish Junipers, 3 ft. Norway Spruce, 2 to 2½ ft. Achillea the Pearl. Boltonia Asteroides.

Write for prices to

The Morris Nursery Co.

WEST CHESTER, CHESTER CO., PA.

ORNAMENTAL STOCKS

NURSERIES

420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.

300 varieties of Conifers, 1 to 4 years old.

1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.

1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.

250 varieties of Climbing Plants.

400 varieties of Conifers, 1 to 4 feet high.

400 varieties of Perennials.

800 varieties of New and Old Roses.

We Have No Agents.

Write direct to us and
ask for WHOLESALE
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors, Orleans, France

TREES

BURBANK'S CREATIONS

We are offering for the First Time

Santa Rosa Plum, Rutland Plumcot, Formosa Plum, Gaviota Plum Vesuvius, the Beautiful Foliage Plum, Royal and Paradox Walnuts.

Send for Illustrated Booklet. We are making Special Prices to the trade.

ROSES

Our stock of BUDDED ROSES is the best we have ever grown and we are offering them at prices lower than ever before. Write for advance wholesale price list.

NUT TREES

WALNUTS—All the leading standard varieties in grafted and seedling trees.

PECANS—Our stock of Seedling Pecans is very heavy. We offer these at prices which we are sure will appeal to you.

We have a full line of everything else in Fruit Trees and are particularly strong on BUDDED CHERRIES and APPLES. Catalogue mailed on application.

FANCHER CREEK NURSERIES, INC.

1225 J STREET GEO. C. ROEDING, Pres. and Mgr. FRESNO, California

WILLIS NURSERIES

Ottawa, Kansas

Offers for the Spring of 1908 a general assortment of Nursery Stock.

An especially fine lot of

ROSES

in all the leading kinds

Black Locust and Osage Orange Hedge in all grades.

Stock is in storage and shipment can be made promptly.

Let us price your list of wants for Spring.

When writing to Advertisers mention The National Nurseryman.

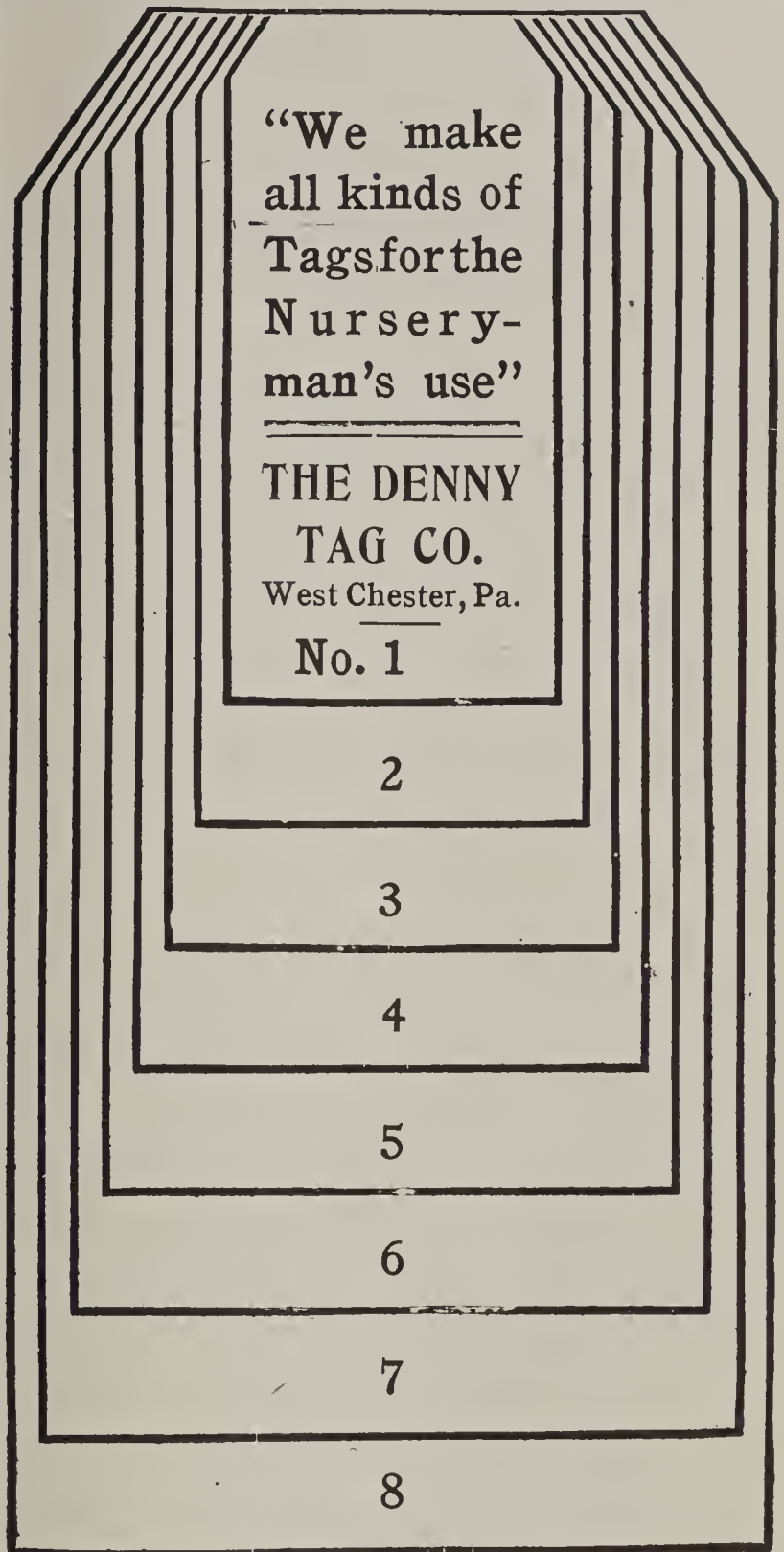
We Make a Specialty of the Manufacture of

Waterproof Shipping Tags and Tree Labels

"They will stand the weather."

THE DENNY TAG CO.,

West Chester, Pa.



The Largest Stock of For Fall, 1908

CURRENTS and
GOOSEBERRIES
Standards,

Worked on strong and straight Ribes
aureum stems, you find in

B. MULLERKLEIN'S Nurseries

KARLSTADT (Bavaria-Germany.)

Please ask for prices.

When writing to Advertisers mention The National Nurseryman.

R. DOUGLAS' SONS

WAUKEGAN NURSERIES

Waukegan, Illinois.

EVERGREEN SEEDLINGS
IN LARGE QUANTITIES

EVERGREENS FOREST TREES

Largest Stock in America, including
Colorado Blue Spruce and Douglas
Spruce of Colorado.

RARE — HARDY — BEAUTIFUL

A full line of Ornamental Trees and Shrubs.

Established 1848.

UNIVERSITY AVENUE NURSERIES

ROCHESTER, N. Y.

We offer for spring in good stock the following
desirable varieties:

Baby Dorothy Rose, 2 year field grown plants.
This is a great acquisition, and the best forcing rose
extant.

Pink Baby, Anny Muller. For bedding it has
no equal. Color a brilliant pink and extra fine.
Field grown plants.

Baby White Rambler, with perfect double flowers,
sweet scented, of free growth and an acquisition.
Field grown plants.

New Rose, C. F. Meyer, perfectly hardy, of strong
growth, with large silvery pink flowers. A grand
variety.

Lady Gay, an improved Dorothy Perkins, a bet-
ter variety than it. A grand climber.

Gold Medal Peonies, in grand assortment.

Blue Bird Flowers, (veronica long. subs.) strong
plants.

Clematis paniculata, 2 year field grown, good
plants.

Hollyhocks, double and single, separate colors.

The New Hydrangea, arborescens, grandiflora alba,
a grand hardy, extra fine shrub, very desirable.

John Charlton & Sons

Rochester, N. Y.

When writing to Advertisers mention The National Nurseryman.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:

200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamelis Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yuca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Frutosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.

At lowest prices. Send for trade list.

FOREST NURSERY AND SEED COMPANY,

R. F. D. 2, McMinnville, Tennessee

Colombe-Lenault-Huet,

NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous
Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. Hale, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

A BARGAIN

In FIELD GROWN ROSES: Empress of China, Madam Plan-
tier, Prairie Queen, Baltimore Belle, Dorothy Perkins and Wichur-
ianna Hybrids. Also Rose Cuttings, Hedge and Shrub Cuttings.

Write for our Bargain List.

OAK LAWN NURSERY

HUNTSVILLE, ALA.

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have
our usual supply of Cherry, One and Two Year,
that promise very fine.

While we grow Cherry in larger quantities than
any other Stock, we also have a very complete line
of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade
Trees, etc.

CAR LOAD LOTS A SPECIALTY.

OUR SPECIALTY

Burbank's Wonderful Winter Rhubarb

Plant any time from September till May. Headquarters for
California Fruits and Berries. Write for quotations on your needs.

Peach Seed in Car Lots.

WAGNER'S NURSERY, Pasadena, Cal.

Dept. A.

When writing to Advertisers mention The National Nurseryman.

J. W. CROSS,
"OLD GRAMMAR SCHOOL"
WISBECH, :: ENGLAND

Orders are now being booked for the "FALL 1908" for the following:

Strawberry Plants—Royal Sovereigns, Sir Joseph Paxton, Nobles, The Laxton, Bedford Champion (new), and many varieties of the perpetual sorts.

Raspberry Canes—Baumforth Seedling, Superlative, Beehives, Norwich Wonders, Antwerps, Perfection (new). All young spawn and well rooted.

MILLIONS OF THE ABOVE TO OFFER

Gooseberry and Currants—(Red, Black, White), 1 and 2 year old. Fine, clean and healthy bushes in all best varieties.

Bulbs—Daffodils, Narcissus, Crocus, Tulips, etc., etc., TONS TO OFFER, at a very low clearance offer, to arrive at the fall of 1908. These are ALL ENGLISH GROWN at my farms.

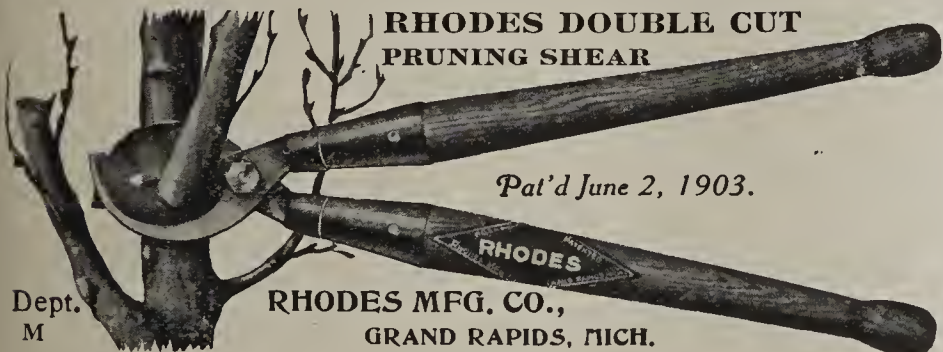
Chrysanthemums—Rooted or unrooted cuttings, hundreds of varieties in stock. Earlies, Mid and Late.

Special low prices will be quoted for any of the above by stating requirements on application.

Write for Particulars

Address in full:

J. W. CROSS,
"OLD GRAMMAR SCHOOL"
WISBECH, :: ENGLAND
Telegrams Potatoes, Wisbeck, Eng. A.B.C. Code V. Edition



THE ONLY PRUNER with blade that cuts from Both Sides of the Limb and does not bruise the bark. Made in all styles and sizes. We pay express charges on all orders. Write for circular and prices.

WANTED one or two experienced Nursery hands, not afraid of work, and who can take charge of help.
MONTANA NURSERY CO.,
BILLINGS, MONT.

If
what
when
like

U

want
want
want
want



ROSES

on own roots, summer grown, winter rested, for lining out, send want list to—

400 Varieties

THE LEEDLE FLORAL COMPANY®
SPRINGFIELD OHIO

We Offer for Immediate or Spring Shipment.

CHERRY, PEAR, ROSES and QUINCES, in assorted varieties and sizes. An especially fine lot of these, and **ELBERTA** Peach, June buds, in small grades for lining out.

GRAFTED PECANS, 1 to 2 feet.

MARIANNA Plum **MANETTI** Rose stocks and **PEACH SEEDLINGS**, for grafting and transplanting.

Fraser Nursery Company,
(Incorporated)

Huntsville, Alabama

F O R E S T P L A N T S

1,000,000 PICEA (Abies) EXCELSIOR

Four years transplanted, very fine, full-grown plants with excellent roots, 1/2 to 1 1/2 feet. \$1.50 per 1000. F. O. B. Hamburg, including packing. If cash is sent with order 5 per cent. discount.

JULIUS HANSEN :: Pinneberg, Germany

WANTED Young man familiar with ornamental nursery stock and used to handling help. Must be sober, honest and industrious. Permanent position to right party. State age, experience and salary expected, and send references to

S. B., Care of NATIONAL NURSERYMAN,
ROCHESTER, N. Y.

A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere. Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to

HERMAN BERKHAN, Sole Agent, 133 Reade Street, New York

Sole Agent for United States and Canada

When writing to Advertisers mention The National Nurseryman.

CONRAD APPEL, Darmstadt, Germany

Established 1789.

Forest and Agricultural Seed Establishments

Extensive Desiccating Establishments for Forest Tree Seeds.

SPECIALTIES: High Grade EVERGREEN AND DECIDUOUS TREE SEEDS such as Scotch Fir Spruce, Larch, Weymouth Pine, Austrian Pine, Beech, Black Locust, Honey Locust, Norway Maple, Hornbeam, Elm, FRUIT TREE SEEDS.

NATURAL GRASS, CLOVER AND AGRICULTURAL SEEDS, GRASS SEED MIXTURES.

Last Award World's Fair, Milan, 1906, Grand Prize.

IN STORAGE

Cal. Privet, 2 year, 18 to 24 inches.
Cal. Privet, 2 year, 2 to 3 ft.
Cal. Privet 2 year, 3 to 4 ft.
Ampelopsis Veitchi, Hydrangea, Etc., Etc.

HIRAM T. JONES, Union Co. Nurseries,

Elizabeth, N. J.

FOR SALE!

A Nursery situated 20 miles from Philadelphia, macadam road to that city; and on two sides of the grounds excellent markets close to Penna. R. R. (8 mails daily) good neighborhood thickly settled; an excellent opportunity for a young man with energy and enterprise; can make good sales where improvements are being made in vicinity.

Address

Nurseryman,

Care of Nat. Nurseryman

WANTED

A quantity of seedling Norway Spruce, suitable for hedging. Address N. E., in care of

NATIONAL NURSERYMAN,

Rochester, N. Y.

Tools and Requisites for Nurserymen

Ames and Rochester Tree Spades.

English and American Pocket Budding Knives.

English and American Pocket Pruning Knives.

Pruning and Snagging Shears.

Tree Labels.

Raffia.

Weaver Hardware Co.,
Rochester, N. Y.

RED MAPLES

Acer Rubrum.—I have a lot of finely rooted seedlings, 2 to 3 feet high. Other sizes up to 12 feet.

My specialty.—Hardy native plants and shrubs. Trade list and prices on application.

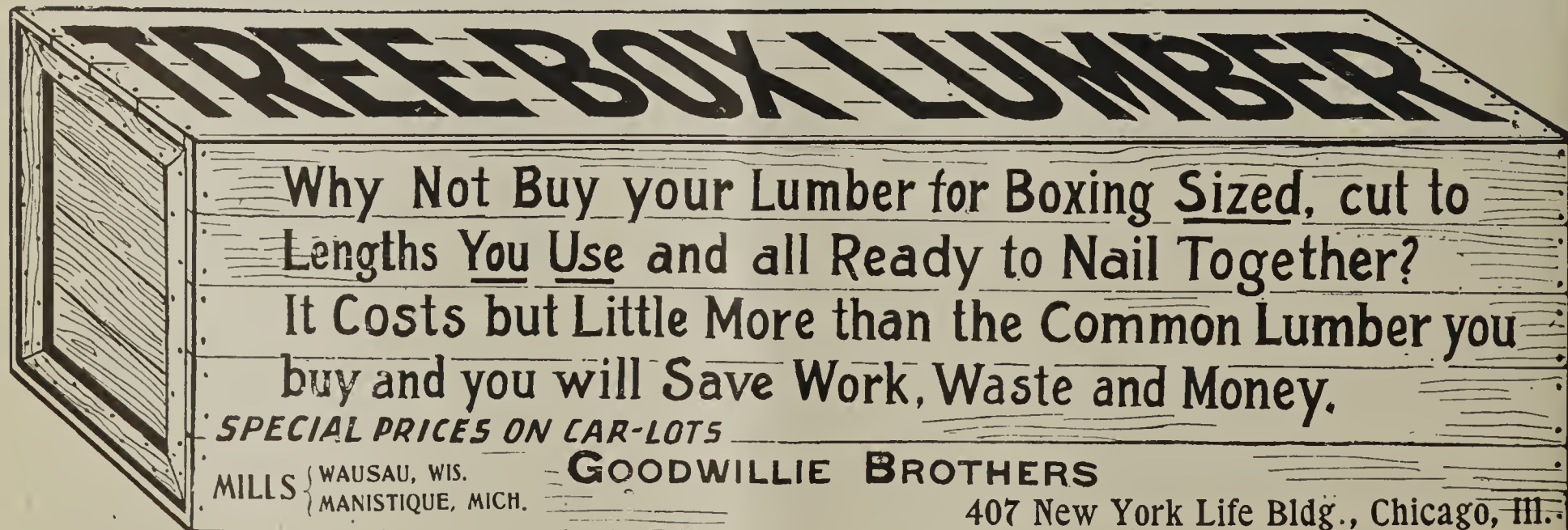
WM. F. BASSETT
HAMMONTON, N. J.

Goossens & Hellemans, Oudenbosch, Holland

(Formerly C. ESCHWEILER)

Growers of Hardy Ornamentals, Forest and Avenue Trees, Conifers, Evergreens and Shrubs; also a fine line of assorted Seedlings, at reasonable cost; Supply only **A 1 QUALITY!** For New Trade List, now issued, Address the American Agents:

AUGUST ROLKER & SONS, New York, P. O. Box 752 or 31 Barclay Street



TREEBOX LUMBER

Why Not Buy your Lumber for Boxing Sized, cut to Lengths You Use and all Ready to Nail Together?

It Costs but Little More than the Common Lumber you buy and you will Save Work, Waste and Money.

SPECIAL PRICES ON CAR-LOTS

MILLS { WAUSAU, WIS. — **GOODWILLIE BROTHERS**
MANISTIQUE, MICH. 407 New York Life Bldg., Chicago, Ill.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Pleased to price
your list of wants
or to show you
our stock. Special
inducements
on car lots.

If you have not
received our fif-
tieth anniversary
descriptive cata-
log, send for it,
Catalogs and
Price Lists free.



Oarman Gooseberry.

Roses — Hybrid
Perpetual,
Ramblers, Climb-
ers, Etc., in large
supply.

Our, green
houses in addi-
tion to regular
stock of Pot and
Bedding Plants
have a fine lot of
Decorative
Stock. Palms,
Ferns, Araucar-
ias, etc.

53 Years.

1200 Acres.

44 Greenhouses.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties. Largest and most varied Collections in America. Illustrated Descriptive Catalogue (144 pages), also Descriptive List of Novelties and Specialties with beautiful colored plate of the New Hardy White Rose Frau Druschki, mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen-Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

Cut the Bills in Two!

Save half your "Mdse. Acct"; put it on the profit side; reduce the "June 1st agony." You can do it. If you've got to buy



Roses,
Privet, Etc.
Clematis,
Perennials, Etc.

Send your Wants Lists to

Jackson & Perkins Company,

Newark, New York

Nurserymen and Florists—Wholesale Only.

The Geneva Nursery

Special Offer

1000	Early Richmond,	$\frac{3}{4}$ in. and up	} Write for prices
1925	"	$\frac{5}{8}$ - $\frac{3}{4}$ in. and up	
700	"	$\frac{1}{2}$ - $\frac{5}{8}$ in. and up	

Headquarters for

Fruit and Ornamental Trees, Shrubs, Berries, Phlox, Clematis, Evergreens, Peonies, Azaleas, Rhododendrons.

Roses

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

Write for our Spring Trade List if you have not received one.

Special attention given to dealers complete lists.

W. & T. Smith Company,

Geneva, N. Y.

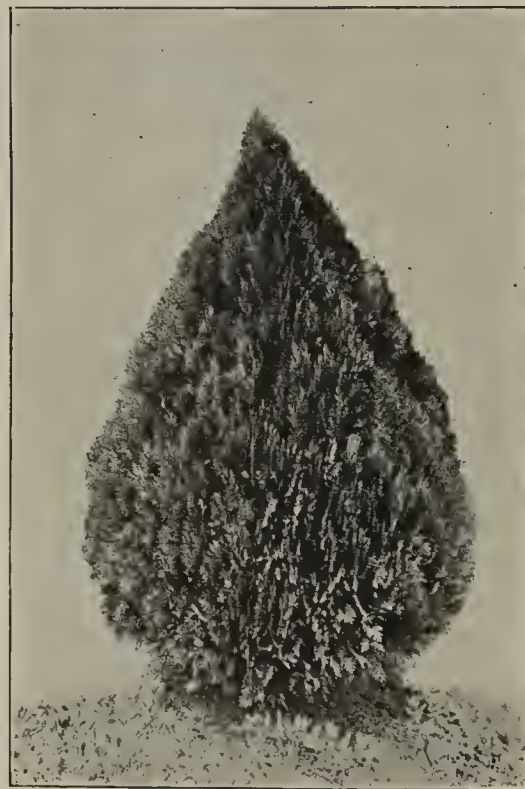
Established 1846

700 Acres

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA MEEHANII

(Hibiscus Syriacus)
(New variegated single flowering Althaea).

Field grown

**DOROTHY
PERKINS,**

**CRIMSON
RAMBLER,**

and **MARIE
PAVIE** Roses.

**AZALEA
INDICA,**

**CAMELLIA,
MAGNOLIA**

grfl.,
WIER'S

**MAPLE,
TEAS,**

**MULBERRY,
TULIP**

POPLARS,
all first class.

Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

FRENCH FRUIT TREE STOCKS

Assortments are now complete, including

APPLE CHERRY PLUM AND PEAR.

Number one, two and three

MANETTI AND QUINCE STOCKS

Number one and two

AMERICAN APPLE SEEDLINGS.

All grades,

APPLE GRAFTS, PIECE AND WHOLE ROOT

Large general nursery stock,

Prices Promptly made.

SHENANDOAH NURSERIES

D. S. Lake, Prop.,
SHENANDOAH, IOWA.

The Protumna

The Acme of Simplicity
in
Spraying Machines



Gas Sprayer

Most Practical Sprayer
for
Nursery Use

Effective, Economical, Light, Durable

Write for Special Introductory Offer

American Horticultural Distributing Co.
Manufacturers of "Target Brand"

Box 714

MARTINSBURG, W. VA.

When writing to Advertisers mention The National Nurseryman.

Young Plants for Lining Out

New price list just out. This, our Annual Offering, is too well-known among nurserymen to need comment here. As usual the important point is to *place your order early while stock and sizes are complete.*

These plants are of the usual high quality—healthy, stocky and well-rooted—and represent a mighty good investment for the nurseryman. A season's growth sends their value far above our present price. The list is at least worth having. *Do it now* or the other fellow may get just what you want. Remember—ORDER EARLY.

'Red Star' Raffia

So sure are we of its uniform, good quality that should any prove otherwise we will replace it. We assume all risk. 'Red Star' brand is the best for the money. Sample free.

Manetti Rose Stocks

in two sizes. Big, stocky budding grade for nurserymen and a nice medium grade for florists. Well-rooted, healthy and first class in every way.

Fruit Tree Seeds

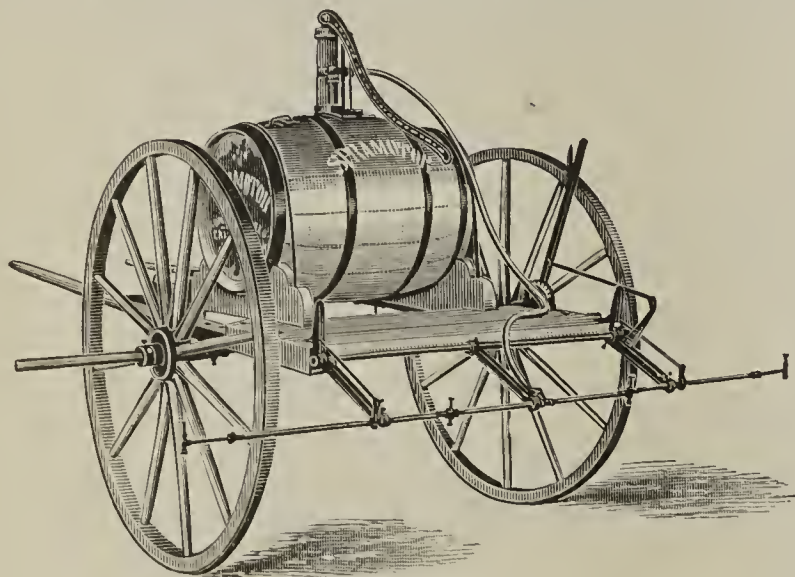
We exercise the greatest care to procure the very best quality available. At present we offer, *subject to being unsold upon receipt of orders*, Kieffer and French Pear, Apple, Mahaleb Cherry, Myrobolan Plum and Quince. Speak promptly. Sample free on request.

Thos. Meehan & Sons, Inc.

Wholesale Nurserymen and Seedsmen.

Box T,

Dreshertown, Pa.



THIS IS THE HAND SPRAMOTOR

No. 1 or No. 2

Mounted on a 2-wheel cart. Has 52" wood wheel with iron hub, cold rolled steel axle, hardwood frame. For one horse. Adjustable all brass 4 row sprayer for one nozzle to a row, from 26" to 36". Fitted with our patent parallel nozzle controller, holding nozzles in correct position when raised or lowered with rack and pinions all fitted for vineyard, and mustard, and orchards, and all kinds of hand work. Fully guaranteed. Prices from \$44.00 to \$50.00.

Send for free treatise, 86 pages.

E. H. HEARD,

107 King St., LONDON, CAN.

McHutchison & Co.

17 Murray Street, NEW YORK CITY

Representing in
United States and Canada

VINCENT LEBRETON

Angers, France,

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Own Cultures Exceed 20,000,000 Stocks.

Write for special prices, lists, catalog, etc.

SCHAUM & VAN TOL,

Boskoop, Holland,

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

UNION NURSERIES,

Oudenbosch, Holland,

(H. W. Van Der Bom, Director).

SYNDICATE OF PRINCIPAL GROWERS

OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

We are direct importers of
ENGLISH MANETTI, RHODODENDRONS, Etc.
JAPANESE NURSERY STOCK, MAPLES,
SCIADOPITYS, TREE PAEONIES,
THUYA, JAP. BULBS, Etc.

BAY TREES

Pyramid, Standard from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY.

SHIPPING. We have our own Custom House Department. Special facilities at Havre, Antwerp, Rotterdam, Southampton, Hamburg, etc. Lowest rates consistent with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



When the Cheapest Is Not the Cheapest

It is of frequent occurrence, in the practice of the McFarland Organizations (The Mount Pleasant Press and The McFarland Pub-

licity Service), to have an inquirer for whom an estimate has been made report that he has obtained the work—"guaranteed just as good"—much cheaper. Sometimes it is a catalogue, and he reports upon the price per page, telling us that our competitor will do it for much less per page. If he is looking for cheapness rather than for economy, he takes the competitive lower price.

Later, we see the result. In nine cases out of ten, the cheaper catalogue is unattractive, without the least trace of originality, and just a wooden repetition of other machine-made catalogues. In many cases, also, the number of pages is greater than the estimated number, and we know that the nurseryman has been charged extra for the additional pages, as is extremely proper—if the additional pages, often meaning additional postage as well, are necessary and of selling value.

But this is seldom a fact. Examination shows a spreading of the matter, the use of unnecessarily large engravings, the lack of properly condensed descriptions, and a dozen deficiencies. The catalogue is watered; in fact, it has been spread out thin, to suit a thin price. Does such a catalogue, cheaper in rate, represent real economy?

Once in a while we work the water out of such a catalogue, and get it down to real cream, with no crowding, but with not a square inch wasted.

There is just now coming through the Press a catalogue—due March 1, and it will be shipped February 29—for one of the oldest and strongest nursery firms. It came to us as a loose, sloppy book of 80 pages, with enough additions, as the customer thought, to make it 128 pages. We could see how to do it much better in 96 pages at the most, and it was so ar-

When the Best Is the Cheapest

ranged. But then the Service man got his eye on the old, padded descriptions, relics of the cheap-per-page days, and he declared he could do better yet. The customer agreed to pay for writing-brains, as well as for printing- and picture-brains, and every introduction and description was newly written, in uniform twentieth-century honest selling style. Enough good illustrations were provided, and a fine, liberal type page arranged. Nothing was skimmed or pinched, or condensed, or cheapened. Efficiency in selling trees and plants was the only point kept in view.

Now the catalogue is done, and it has come within 64 handsome pages, inside a cover with a real picture on it, pretty enough to make your mouth water! See the result; only half the pages, with more than ten times the live selling power, better illustrations, less cost and a third less postage.

Was this a "cheap-per-page" job? Hardly; the customer pays for brains and construction and writing, as well as for the best printing done in America; and yet he pays less than if he had put the catalogue through the cheap competitive, 128-page-puffed-out process.

We are looking for such customers,—those who really care to have catalogues that are original, attractive, stylish and of selling quality. We are not at all anxious to disturb the pleasantly sleepy intercourse between the cheap-per-page printer and the cheap-per-page customer.

Live, interested nurserymen, having good stock they need to sell to the good people who have good money to buy, are invited to write us fully and frankly. We have nothing "cheap"; we do not supply hand-made plates nor machine-made plate-books nor hand-me-down stock catalogues.

A McFarland catalogue is a business advantage to a nurseryman who knows his business, and we can make catalogues in March, 1908, for a few more. We can, and do, plan selling and follow-up campaigns that "do the trick," and sell the stuff.

THE MCFARLAND ORGANIZATIONS

J. Horace McFarland Company
Makers of Catalogues

The McFarland Publicity Service
Pushers of Business

MOUNT PLEASANT PRESS · HARRISBURG, PENNSYLVANIA

THE BROWN LINE OF SPRAY PUMPS

FORTY STYLES AND SIZES FOR ALL PURPOSES



Auto Spray No. 28



Auto-Spray No. 28 in the Orchard



Auto-Spray No. 23 in the Orchard



Auto-Spray No. 1 in the field

Made by the **E. C. BROWN CO.**
ROCHESTER, N. Y.

ORDER a spray pump as you would a suit of clothes. Pay when you have a perfect fit. Our spray pumps are as good as your credit. Any responsible man may order subject to trial and approval. Tell us what you wish to spray, the distance between rows of nursery stock or field crops, the size of your trees if any, and whether your land is level or hilly, and we will recommend a machine which we will guarantee absolutely to be the best value, most efficient and most durable made for your use.

No sprayer is complete without Brown's Atomic Nozzle. It throws wide or concentrated spray with all graduations, long or short distance. A simple adjustment makes it equal to a one, two, three or four-point vermorel at the will of the operator.

Auto-Pop No. 2 attached to Bamboo with Atomic Nozzle is the ideal orchard equipment. The non-swear kind.

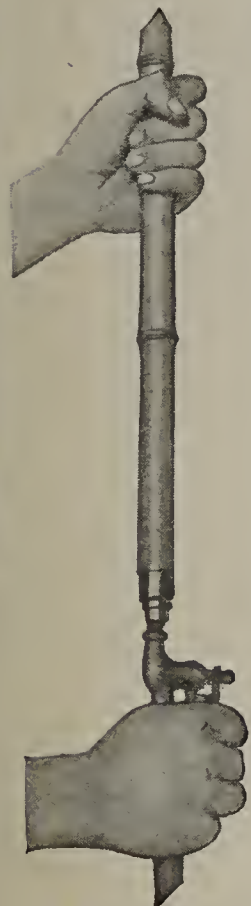
Leading nurserymen everywhere are using the No. 11 Auto-Spray for small nursery stock and field crops. Names of users supplied on request.

Our factory equipment is the most complete devoted to spray pump manufacture. We do special work.

Ask for our general catalog with Prof. Slingerland's spray calendar.

Address, The E. C. BROWN CO.

43 Jay Street, Rochester, N. Y.



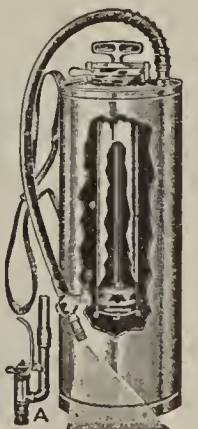
Auto-Pop No. 2 on
Bamboo Rod



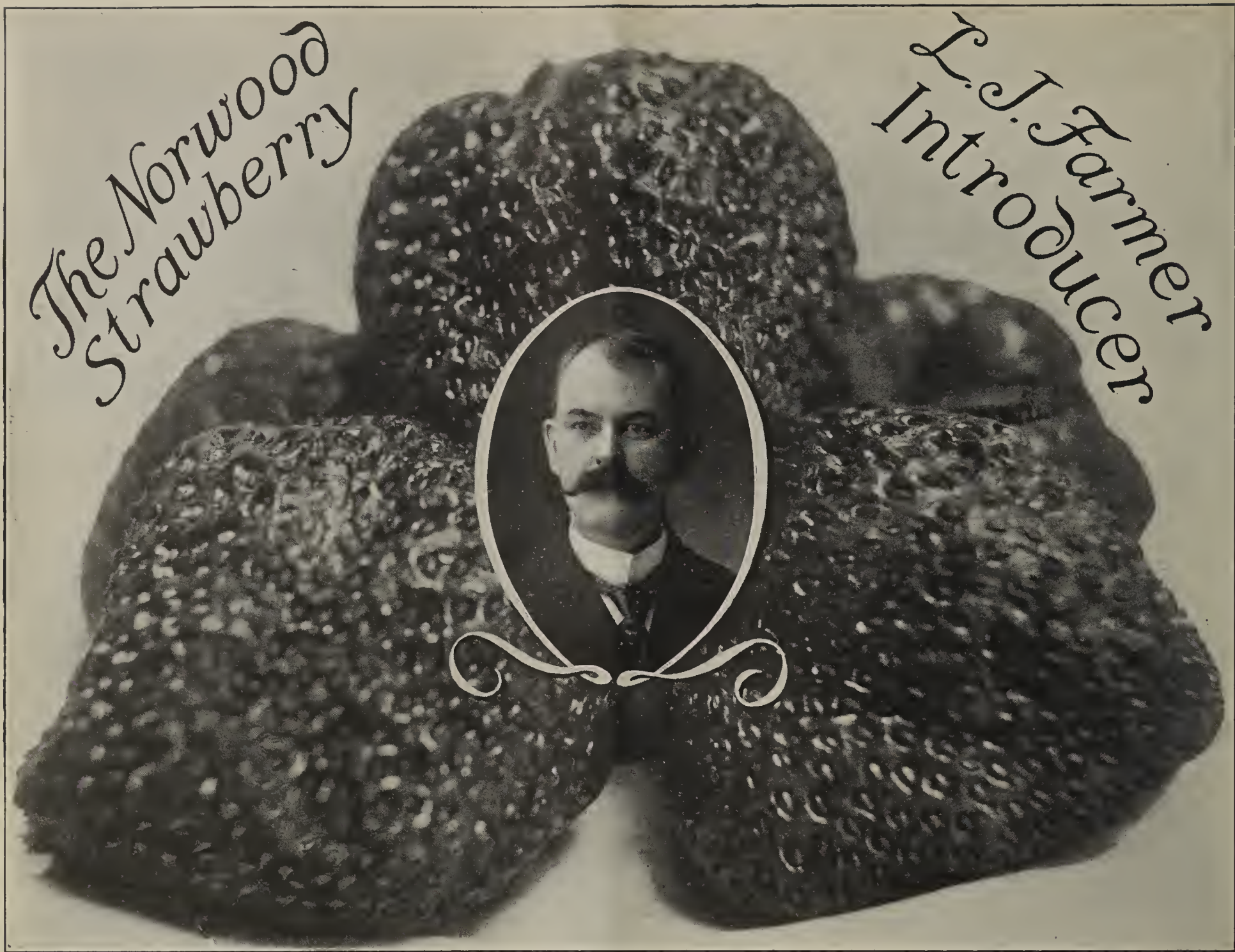
Brown's Atomic Nozzle



Auto-Spray No. 11 in Small Nursery Stock



Auto-Spray
No. 1



THE above strawberry was originated at Norwood, Mass. It was named by, and awarded first prize, by the Massachusetts Horticultural Society. The above is an actual photograph from nature, the berries run as large as 3 inches and more in diameter. Four such berries would fill a quart basket heaping full. The originator expects to produce three berries this season (1908) that will heap a basket. We believe it the most promising strawberry proposition of the day, and have purchased the entire stock which is only ($\frac{1}{40}$ th) one fortieth of an acre at present. We think \$10 invested in these plants now, will return the investor a hundred fold. Like Bubach, Marshall and Glen Mary, it is bound to be in great demand for years to come. A few dollars invested in either one of these berries, when they first came out, would have made a small fortune for any good business man. A word to the wise is sufficient.

THE IDAHO RED RASPBERRY (New)

This new berry comes from Idaho. The plants are ideal growers, making a stocky growth and branching naturally without trimming. It will stand the very coldest weather. The berries average $\frac{1}{3}$ larger than Cuthbert or Loudon and sell as high as 30c per quart, averaging 5c per quart better than all others, throughout the season. The stock is limited and no more than 12 plants sold to any one party this spring. **THOSE WHO INVEST IN EITHER THE IDAHO RASPBERRY OR THE NORWOOD STRAWBERRY NEED NOT FEAR A SURPLUS OF PLANTS AND LOW PRICES, as soon as they get a stock, as the supply of either is very limited and PRICES WILL NOT BE MADE LOW FOR SEVERAL YEARS TO COME.**

THE PLUM FARMER RASPBERRY

The greatest money maker of the day. Yielded 3900 quarts, or at the rate of \$471.30 to the acre. Read the following letter:—

FRIEND FARMER:—I feel very grateful to you because you introduced the Plum Farmer raspberry. I bought 100 of you three years ago, and have fruited it twice and have an acre of them to fruit this year. It is the greatest raspberry on earth, I believe, and I have no use for any other. I had the Kansas, Cumberland and Palmer, and have given them all up and shall set nothing but Plum Farmer this spring. I intend to set two acres of them. They are the best paying of anything in the fruit line I ever struck; pay me much better than strawberries. I sold, this past summer, from 64 square rods of Plum Farmer, \$187.53 worth of fruit. They averaged me a little over 12c per quart.

Sincerely yours,

CHARLES C. CHAPMAN,
Chairman Board of Education and Trial Justice for the Town of North Stonington, Conn.

We never sold so many dollars worth of any fruit plants as we are selling of this variety of Black Caps, as high as 8000 plants to one party in the black cap evaporating sections. No **FRUIT GROWER** or **NURSERYMAN** can afford to do without this grand black cap. It was named for us (my nickname is Plum Farmer) and I stake my reputation upon its merits. We sold nearly 250,000 of these plants, spring of 1907, and have fully half a million nicely rooted plants to offer this spring. We are not permitted to name prices here, but can quote them quick by mail.

OUR CATALOGUE describes everything we have in the berry line and is free to any one interested. Write for it to-day. It may give you some ideas how to prepare a good catalogue yourselves, address,

L. J. FARMER,

Box 838

Pulaski, Oswego Co., N. Y.

When writing to Advertisers mention The National Nurseryman.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., MARCH, 1908

No. 3

SPRAYING: ITS NEED AND PRINCIPLES.

In 1893, E. G. Lodeman, late instructor in the Department of Horticulture of the Cornell University prepared a sheet designated a spray calendar, which was published by the Experiment Station. This marked the appearance of the first publication of this kind. The spray calendar has appeared in many forms under the authority of many writers and institutions since that time. The Cornell publication has grown from the chart to the pamphlet form. Each year there is a distinct demand for this type of information. Fruit growers and farmers realize more clearly as each planting season returns that success often depends as much upon the application of intelligent methods in combating plant parasites as upon the management of the soil.

If the writers of spray bulletins considered the experienced orchardist or nurseryman only, many of the details found in its pages might be omitted, but we must bear in mind that there is constant change in the ranks of the farmers, fruit growers and nurserymen of the country. Old men are continually dropping out. Men new to the calling are taking their places. The city man becomes a gardener, then an orchardist, then a nurseryman. The suburban resident takes an interest in crop growing and develops a desire for a farm. These men and the young men need information, need boiled down directions for holding the enemy in check and some offer again condensed directions for the control of insect enemies and plant diseases.

No man may be expected to carry all the formulas in his head, but he should know where they are to be found.

THE NEED OF SPRAYING.

Theoretically, man, the dominating figure in the animal kingdom, should be able to so pit one parasite against another as to maintain an equilibrium between friend and

foe in the plants he cultivates. This may be ideal, but it is not presently attainable. In the meantime, San Jose scale spreads, canker worm and caterpillar devastate, codling worm and curculio destroy the fruit and blight blasts the

pear and apple orchards. So the fruit grower must be up and doing.

The annual loss from the incursions of destructive insects in the United States exceeds by many times the yearly output of all the gold mines in the United States. The reduction in the value of the apple crop of New York State due to insect injury cannot be less than thirty per cent. one year with another. This is a heavy tax on the fruit grower, yet the injury could be lessened at least fifty per cent. by an expenditure of not exceeding two per cent.

on the value of an average apple crop. The need for spraying is evident. It will probably increase as time goes on.

THE PRINCIPLES OF SPRAYING.

Plants are not cured of disease by medical treatment, like animals. Plants are not made immune to insect or fungous attack by previous treatment. We aim to *protect* plants by spraying, from two classes of enemies, insects and fungi (plural) fungus (singular). We protect plants. We do not cure them. How are they protected? By covering the foliage with a medium in which the fungus will not grow in the case of the plant parasite; by poisoning the leaf-eating insect or killing the sucking insect with something which destroys its body.

In both cases the principle of forehanded protection is involved. The protective agent should be well in advance of the enemy. Both diseases and destructive insects work rapidly. A delay of a few days may throw the remedy into the "too late" class. Of all the factors making for success in spraying, promptness is most important. Probably more failures result from tardiness than from any other cause.



A "Friend" Machine Receiving a Charge.

Cornell spray calendars have said that spraying is a type of orchard insurance. Growers ask, shall I spray when I have little or no fruit? The answer is, yes, by all means. Insure your trees a crop of healthy leaves so that wood may be grown, and buds developed. This is the best way to secure a crop the following year. The man who sprays year in and year out insures his crop against standard enemies, and to a large degree against epidemics and tends to lessen the numbers of his staple insect foes.

HOW TO SPRAY.

First know the enemy. Study the crops you are growing, and you will learn to recognize the parasites which attack them. Learn the feeding habits and the principal

facts of its life history. Then study the remedy, understand its principles—how it acts. Next secure the appliance which seems best adapted to your needs. Prepare your spray mixture carefully and apply it thoroughly. Next to timeliness, thoroughness is of prime importance. Hundreds of fruit growers and farmers waste time, energy and material by indiscriminate and hasty squirting of spray mixtures over fruit trees and farm crops. Remember the principle is protection, and the plant is protected only when it is covered. Some insects must be hit to be killed. Don't spray unless you do the work thoroughly. You will disgust yourself and destroy your neighbor's faith in the remedy. Spraying is not pleasant work, but if we are fruit growers or farmers, we must accept the situation and make the best of it.

SPRAY CALENDAR.

APPLE. SCAB.—(1. Copper sulfate solution before buds break); 2. Bordeaux mixture when leaf buds are open, but before flower buds expand; 3. Repeat 2 as soon as blossoms have fallen; 4. Bordeaux mixture 10 to 14 days after the third; (5, 6, repeat 4 at intervals of about two weeks). **PINK ROT.**—As for scab. **BLIGHT CANER.**—Keep body and main branches free from suckers. Cut out badly diseased bark in summer and fall and dress with corrosive sublimate, 1 part in 1000 parts water, then use paint or thick Bordeaux; when spraying for scab, spray trunk and branches. **CANKER-WORM.**—When first caterpillars appear apply Paris green, arsenite of lime or arsenate of lead very thoroughly; 2. Repeat 1 after 4 to 10 days; (3, 4, repeat every 10 days if necessary). **BUD-MOTH.**—1. As soon as leaf tips appear in buds, Paris green or other arsenical spray; 2. Repeat 1 before the blossom buds open; (3. Repeat 2 when blossoms have fallen). **CODLING-MOTH.**—1. Arsenical spray immediately after blossoms have fallen; 2. Repeat 1, 7 to 10 days later. Use burlap bands on trunks, killing all insects under them every ten days from July 1st to August 15th, and once later before winter. Arsenicals may be added to the Bordeaux mixture and the two applied together with excellent effect. **CASE-BEARERS.**—As for Bud-Moth. **APPLE-MAGGOT.**—Keep windfalls picked up and destroyed or fed out. **NEW YORK APPLE CANER.**—1. Remove dead limbs. 2. Spray thoroughly, soaking diseased parts, Bordeaux. **SAN JOSÉ SCALE.**—Summer treatment kerosene emulsion containing 20 per cent. kerosene. Winter treatment; lime and sulfur wash. **TWIG BLIGHT.**—1. Cut out all diseased parts. See under pear.

BEAN. ANTHRACNOSE, POD-RUST.—1. Select clean seed. Bordeaux mixture, when first true leaf has expanded; 2, 3, etc., the same at short intervals to keep the foliage covered by the mixture.

BEET. LEAF-SPOT.—1. When four or five leaves have expanded, Bordeaux mixture; 2, 3, etc., the same every 10 to 14 days. **APHIS.**—1. Upon young plants, kerosene emulsion or whale oil soap.

CABBAGE AND CAULIFLOWER. One lb. to 5 gals. of water when insects are first seen; 2. Repeat 1 when necessary. **BLACK ROT.** 1. Grow plants in clean soil. Soak seed in formalin, 1 lb. to 20 gals. water, for 15 minutes; guard against contamination. Rotate in field. **CABBAGE-WORM.**—1. If plants are not heading, kerosene emulsion or arsenicals; 2. Repeat 1 at intervals of 7 to 10 days; 3. If plants are heading, hellebore. **CLUB-ROOT.**—Use lime 75 to 150 bu. per acre, 1½ to 4 years before planting. **ROOT-MAGGOT.**—pour around base of plants an emulsion of 1 lb. soap, 1 gal. boiling water, 1 pint of crude carbolic acid. Dilute this emulsion with 30 parts of water.

CARNATION. ANTHRACNOSE OR SPOT.—1. At first appearance of disease, Bordeaux mixture thoroughly applied in fine spray; 2, 3, etc., if plants are not blooming, Bordeaux mixture; ammoniacal copper carbonate to avoid staining the flowers. Keep foliage covered with a fungicide. **RUST.**—Begin with healthy cuttings, spray the plants every week during their life with copper sulfate solution, 2 lbs. copper sulfate to 45 gallons of water, or with potassium sulfide solution. **RED SPIDER.**—Syringe freely with clean water. Keep the atmosphere of the house moist. **Kerosene Emulsion.**

CELERY. EARLY BLIGHT, LATE BLIGHT.—1. Apply Bordeaux mixture as soon as the plants have become established. 2. Repeat 1 every two weeks until the plants are half or two-thirds grown; 3. Apply ammoniacal copper carbonate solution every 10 to 14 days, or more often if the weather is rainy.

CHERRY. BLACK-KNOT.—See PLUM. **ROT.** 1. When buds break, Bordeaux mixture; 2. When fruit has set, repeat 1; (3.

When fruit is grown, ammoniacal copper carbonate).—**APHIS.** 1. Kerosene emulsion when insects appear; 2, 3. Repeat at intervals of 3 to 4 days if necessary. **CURCULIO.**—See under Plum. **LEAF BLIGHT.**—1. Just before blossoms open, Bordeaux. 2. Same after calyx falls. 3. Same 2 weeks later. **POWDERY MILDEW.**—Spray with Bordeaux or potassium sulfide. **SLUG.**—1. When insects appear, arsenicals or hellebore; 2, 3. Repeat 1 in 10 to 14 days if necessary.

CHRYSANTHEMUM. LEAF-SPOT.—Ammoniacal copper carbonate at intervals of 10 to 14 days, to keep the foliage protected. **RUST.**—Treat as for leaf-spot; also wet the foliage as little as possible in watering the plants.

CUCUMBER, MELON AND SQUASH. BACTERIAL WILT.—Distributed by striped cucumber beetles. Destroy these. Remove diseased leaves. **DOWNY MILDEW.**—Bordeaux mixture every 10 days, or often enough to keep the foliage well covered above and below from the time the plants are very small until frost. **STRIPED CUCUMBER BEETLE.**—Keep plants thoroughly covered with Bordeaux mixture. Trap under shingles.

CURRENT. LEAF-BLIGHT.—1. When injury first appears, before the fruit is harvested, ammoniacal copper carbonate, to avoid staining the fruit; 2. After fruit is harvested, Bordeaux mixture freely applied; 3. Repeat 2 when necessary. **WORM.**—1. When first larvæ appear, arsenicals; 2. Repeat 1 when necessary until fruit is half grown; 3. Use hellebore if any worms remain after fruit is half grown.

EGGPLANT. LEAF-SPOT.—As soon as plants are established in the field, Bordeaux mixture; 2, 3. Repeat 1 at intervals of 2 to 3 weeks till first fruits are one-half grown; 4. Ammoniacal copper carbonate, repeat when necessary.

GINSENG. ALTERNARIA BLIGHT.—1. Spray surface of beds thoroughly with copper sulfate solution early before plants start. 2. Spray with Bordeaux as soon as plants begin to come through soil. Add sticker, spray repeatedly while plants are coming up and expanding so as to keep all parts covered. Keep plants covered through season. Spray seed head thoroughly just after blossoms fall.

GOOSEBERRY. MILDEW.—1. Before buds break, Bordeaux mixture; 2. When first leaves have expanded, potassium sulfide; 3, 4, etc., repeat 2 at intervals of 7 to 10 days, if necessary throughout the summer. **CURRENT-WORM.**—See under CURRENT.

GRAPE. ANTHRACNOSE.—1. Before buds break in spring, sulfate of copper; 2. Bordeaux mixture after 3 or 4 days to cover untreated portions. Pick and destroy diseased bunches. Burn diseased wood. **BLACK-ROT.**—Clean trellises of diseased bunches and canes. 1. As soon as first leaves are fully expanded, Bordeaux mixture. 2. After fruit has set, Bordeaux mixture; 3. Repeat 2 at intervals of 2 to 3 weeks until fruit is three-fourths grown; 4. Ammoniacal copper carbonate when fruit is nearly grown; 5, 6, etc., repeat 4 at intervals of 7 to 14 days as required. **DOWNY MILDEW, POWDERY MILDEW,** the first application recommended under BLACK-ROT is of especial importance. **RIPE-ROT.**—Apply very thoroughly the later applications recommended under Black-Rot. **STEELY-BEETLE.**—1. As buds are swelling, arsenites; 2. After 10 to 14 days, repeat 1. See Bulletin 157. **ROOT-WORM.**—Thorough cultivation in June to kill pupæ. Arsenate of lead 3 lbs. to 50 gals. water latter part of June, to kill beetles. See Bulletins 208, 224, 235. **LEAF-HOPPER.**—Whale oil soap, 1 lb. in 10 gals. water applied very thoroughly to undersides of leaves about July 1st.

NURSERY STOCK. FUNGUS DISEASES.—1. When first leaves appear Bordeaux mixture; 2, 3 etc., repeat 1 at intervals of 10 to 14 days to keep foliage well covered. **PLANT-LICE.**—Kerosene emulsion or whale oil soap 1 lb. to 5 gals. water, apply thoroughly. Dip tips. **SAN JOSÉ SCALE.**—Kerosene emulsion in summer. Burn, or fumigate with cyanide of potassium. Dip tops in cool lime-sulphur. — See under APPLE.

ONION. BLIGHT.—Weak Bordeaux mixture (two-thirds strength) every 10 days from time plants are well up till harvest. Add sticker to Bordeaux. **THRIPS.**—Kerosene emulsion or whale oil soap, 1 lb. in 5 gals. water. **MAGGOT.**—See root-maggot under CABBAGE.

PEACH, NECTARINE, APRICOT. BROWN-ROT.—1. Before buds swell, copper sulfate solution; (2. Before flowers open, Bordeaux mixture); 3. When fruit has set, repeat 2, 4. Repeat after 10 to 14 days; 5. When fruit is nearly grown, ammoniacal copper carbonate; 6, 7, etc.; repeat 5 at intervals of 5 to 7 days if necessary. Pick off and destroy diseased fruit in autumn. Black spot spray with dilute Bordeaux mixture. **CURL-LEAF.**—1. Before buds swell (March or April) use strong Bordeaux mixture or copper sulfate solution. Lime sulfur will also control it. **SAN JOSE SCALE,** see APPLE. **CURCULIO.**—See PLUM.

PEAR. BLIGHT.—1. Cut out all affected branches and cankered spots in fall after leaves drop cutting a little below the point where the bark is dark or sunken. Dress with paint or thick Bordeaux. 2. Cut out when ever observed during growing season, cutting two feet below apparent injury if practicable. All branches should be cut 6 to 10 inches below point of infection; burn the parts. **LEAF-BLIGHT OR FRUIT-SPOT. LEAF-SPOT.**—1. Before blossoms open, Bordeaux mixture; 2. After blossoms have fallen, repeat 1; 3, 4, etc., repeat 1 at intervals of 2 to 3 weeks as appears necessary. **SCAB.**—See under APPLE. **LEAF-BLISTER OR BLISTER-MITE.** 1. Before buds swell in spring, kerosene emulsion, diluted 5 to 7 times. **PSYLLA.**—1. When blossoms have fallen in spring, kerosene emulsion diluted 7 or 8 times, or whale-oil soap 1 lb. to 4 or 5 gallons of water; 2, 3, etc., at intervals of 2 to 6 days, repeat 1 until the insects are destroyed. Lime-sulfur wash or whale oil soap 1 lb. in 1 gal., will doubtless kill many old hibernating psyllas in winter. **SLUG.**—See under CHERRY. **SAN JOSE SCALE, CODLING MOTH.**—See under APPLE.

PLUM. BROWN-ROT.—See under PEACH. **LEAF-BLIGHT.**—(1. When first leaves have unfolded, Bordeaux mixture); 2. When fruit has set, Bordeaux mixture (dilute for Japanese plums.) 3, 4, etc., repeat 2 at intervals of 2 to 3 weeks, use a clear fungicide after fruit is $\frac{3}{4}$ grown. **BLACK-KNOT.**—1. During first warm days of early spring, Bordeaux mixture; 2. Repeat 1 when buds are swelling; 3. During latter part of May, repeat 1; 4. Repeat 1 during middle of June. (5. Repeat 1 in July). Cut out knots. **CURCULIO.**—Some are successful with arsenical sprays, once before blossoming and twice after blossoms fall; arsenate of lead and arsenite of lime have been most effective; jar the trees after fruit has set, at intervals of 1 to 3 days during 2 to 5 weeks. **PLUM SCALE.**—1. In autumn when leaves have fallen, kerosene emulsion, diluted 4 times; (not necessary if lime and sulfur is used); 2 and 3 in spring, before buds open repeat 1. **SAN JOSÉ SCALE.**—See under APPLE.

POTATO. EARLY BLIGHT.—1. When vines are young, Bordeaux mixture; 2 and 3, repeat 1 at intervals of 2 to 3 weeks (only partially successful). **LATE BLIGHT.**—1. When plants are 6 inches high, Bordeaux mixture; 2 and 3, at intervals of 1 to 3 weeks, repeat 1. **SCAB.**—Soak uncut seed potatoes 1 $\frac{1}{2}$ hours in solution of 1 ounce corrosive sublimate in 8 gallons water; or 2 hours in solution of $\frac{1}{2}$ pint formalin in 15 gallons water. **POTATO-BEETLE.**—When beetles first appear, very strong arsenical spray; 2 and 3, repeat 1 when necessary. **FLEA-BEETLE.**—Bordeaux mixture and Paris green.

QUINCE. LEAF-BLIGHT OR FRUIT-SPOT.—(1. When blossom buds appear, Bordeaux mixture); 2. When fruit has set, repeat 1; 3, 4, etc., repeat 1 at intervals of two weeks until fruit is $\frac{3}{4}$ grown;

if later treatments are necessary, ammoniacal copper carbonate. **BLIGHT.**—As for Pear. **CURCULIO.**—Jar or spray as for plum curculio. **SAN JOSÉ SCALE.**—See under APPLE.

RASPBERRY, BLACKBERRY, DEWBERRY. ANTHRACNOSE.—1. Before buds break copper sulfate solution, also cut-out badly infested canes; 2. When growth has commenced, Bordeaux mixture; 3, 4, etc., repeat 2 at intervals of 1 to 3 weeks, avoid staining fruit by use of clear fungicide. (Partially successful).—Badly infested plantations should be rooted out. **ORANGE-RUST OR YELLOWS.**—Remove and destroy affected plants as soon as discovered. **SAW-FLY.**—1. When first leaves have expanded, arsenites; 2. After 2 to 3 weeks repeat 1, or apply hellbore.

ROSE. BLACK-SPOT.—Spray plants once a week with ammoniacal copper carbonate. **MILDEW.**—Keep heating pipes painted with equal parts lime and sulfur mixed with water to form a thin paste. Spray with copper fungicides of potassium sulfide. Under glass shake flowers of sulfur over bush. **APHIS, LEAF-HOPPER.**—Kerosene emulsion, whale oil soap or tobacco water applied to the insects' bodies at short intervals is effective. **RED SPIDER.**—Apply fine spray of water to the foliage; keep house as damp as possible without injury to plants.

STRAWBERRY. LEAF-BLIGHT, MILDEW.—1. When growth begins in spring, Bordeaux mixture; 2. When first fruits are setting repeat 1; 3. After fruiting, mow leaves on damp day and burn. Spray new growth and non-bearing plants with Bordeaux mixture at intervals of 1 to 3 weeks. **LEAF-ROLLER.**—Spray thoroughly after fruit is picked with arsenate of lead.

TOMATO. LEAF-BLIGHT.—1. While plants are in the seed bed, Bordeaux mixture, spraying under side of leaves. Pick off lower leaves as they show disease. 2. When plants are set out repeat 1. 3, etc., repeat 1 at intervals of 7 to 10 days. **ROT.**—Spray as directed under leaf-blight; unsatisfactory in most cases. Usually better to secure many pickings by starting the plants early and giving the best culture; then if the rot comes, some pickings stand a chance of escaping. Train the vines.

FORMULAS.

ARSENATE OF LEAD.

Arsenate of Lead . . . 4-8 pounds
Water 100 gallons

Arsenate of Lead or "Disparne" can be applied stronger than other arsenical poisons without injury to the foliage; hence it is very useful against beetles and similar insects that are hard to poison. It also adheres to the foliage a long time. Use in strength varying from 1 to 4 lbs. to 50 gals. of water. Ready for use as soon as the paste is stirred in the water.

PARIS GREEN.

Paris green 1 pound
Water 75-150 gallons

If this mixture is to be used upon fruit trees 1 pound of quicklime should be added.

Repeated applications will injure most foliage, unless the lime is used. Paris green and Bordeaux mixture can be applied together with perfect safety. The action of neither is weakened, and the Paris green loses its caustic properties. For potato beetles, 2 to 4 lbs. to 50 gals. is often used. Use at the rate of 4 to 12 ounces of the arsenite to 50 gallons of the mixture for leaf eating insects. It is sometimes used as strong as 1 lb. to 50 gallons, on apples, but this is usually unsafe and generally unnecessary. For insects that chew.

WHITE ARSENIC.

White arsenic being cheaper and of more constant strength than Paris green, is becoming increasingly popular as an insecticide. It may be safely used with Bordeaux mixture, or separately if directions as to its preparation are carefully followed; if, however, these are neglected injury to foliage will result. It is unwise to use white arsenic without soda or lime. The following methods of preparation will be found to be satisfactory. Methods number one and two are recommended as the least likely to cause injury.



At Work on the Trees.

I. Arsenite of Soda for Bordeaux Mixture.—To a solution of four pounds salsoda crystals in one gallon of water, add one pound of white arsenic and boil until dissolved. Add water to replace any boiled away, so that one gallon of stock solution of arsenite of soda is the result. Use one quart of this stock solution to fifty gallons of Bordeaux for fruit trees.

II. Arsenite of Lime.—(a) If used alone (not in connection with Bordeaux) white arsenic should be prepared thus:—To a solution of one pound of salsoda crystals in a gallon of water, add one pound of white arsenic and boil until dissolved. Then add two pounds of fresh slaked lime and boil twenty minutes. Add water to make two gallons of stock solution. Use two quarts of this stock solution to fifty gallons of water.

(b) Boil one pound of white arsenic in two gallons of water for one-half hour and use the solution while hot to slake two pounds of good, fresh, quick-lime. Add water to make two gallons of Stock solution and use two quarts of this to fifty gallons of water or Bordeaux mixture.

(c) Slake two pounds of good, fresh, quick-lime and add water to make two gallons of milk of lime. Add one pound of white arsenic and boil hard for forty minutes. Add water to bring the resulting compound up to two gallons. Use two quarts of this stock solution to fifty-gallons of water or Bordeaux mixture.

OTHER ARSENICAL POISONS.

Green arsenoid and Paragrene are more bulky and finer than Paris-green, and when of good quality they are just as effective and require less agitation. London purple is not now used.

BORDEAUX MIXTURE, 3-4-50.

Copper Sulfate (Blue vitriol).....	3 pounds
Quick-lime (Good stone lime)	4 "
Water	50 gallons

For peaches and Japanese plums, more water (60 to 70 gallons) should be used.

Three pounds of sulfate of copper dissolved in fifty gallons of water, when applied at the proper time, will prevent the growth of fungi. However, if applied in this form, the solution will burn the foliage. Four pounds of quick-lime in three pounds of copper will neutralize the caustic action. When sulfate of copper and lime are mixed in this proportion, the compound is Bordeaux mixture.

Make up stock solutions of copper sulfate and lime, but do not mix them till ready to use, as Bordeaux mixture deteriorates after standing a few hours. Put any number of gallons of water into a barrel, and dissolve in it one pound of copper sulfate for each gallon. This is most rapidly done by suspending the copper sulfate in a gunny sack just below the surface, as the copper salt in solution sinks rapidly to the bottom. The milk of lime is prepared by slaking the quick-lime without drowning, and adding enough water to make one gallon for each pound of lime. In mixing to make Bordeaux, stir the stock solutions, and dip out one gallon for each pound of either material required, always taking the precaution to add the full amount of water between the other two ingredients. If the concentrated solutions are put together, a curdled, lumpy mass will be formed, which will clog the nozzles and be hard to keep in suspension. If the milk of lime is lumpy or granular, it should be strained through a sieve to avoid clogging the nozzles. An excess of lime does no harm, but an excess of copper solution brings injury to the foliage. A test for Bordeaux is made with ferrocyanide of potassium. An ounce of this substance, known to the drug trade as yellow prussiate of potash, is dissolved in a pint of water. When Bordeaux is made, it may be tested by letting three or four drops of this solution fall upon the surface. If there is too much copper salt, the ferrocyanide solution will turn brown. Lime should be added till the test liquid fails to change color. Even then it is best to add more lime to make a sure thing.

SODA-BORDEAUX.

Soda (commercial lye)	2 pounds.
Copper sulfate	6 "
Lime	½ to ¾ pound
Water	60 gals.

Commercial soda lye may be used, but the mixture must be tested to insure its alkalinity. The amount of lime may in some cases be slightly diminished according to strength of the lye.

Dissolve the lye and dilute to 10 or 15 gal. and pour into the copper solution and then add lime as required. Paris green may be safely used in connection with this mixture.

"PROCESS" LIME FOR BORDEAUX MIXTURE.

The so-called "new process" or prepared limes, now offered on the market are of two classes. One consists of the quick-lime that has been ground to a powder. The other is the dry-water-slaked lime, made by using only enough water to slake the quick-lime, but not enough to leave it wet. When the hard "stone" lime becomes air-slaked it is evident to the eye from the change to a loose powdery

mass. Should one of these prepared limes be to any considerable degree air-slaked, its appearance would be no indication of its real condition.

A simple test for the presence of much carbonate of lime in these prepared limes, can be easily performed. A small amount of the lime—¼-teaspoonful—dropped on a little hot vinegar, will effervesce or "sizzle," if it contain the carbonate of lime, acting about the same as soda.

A sample of a new process lime analyzed at this Station, showed 30 per cent magnesia. This came from burning a dolomitic limestone, that is, one containing carbonate of magnesia with the carbonate of lime. The magnesia does not slake with water like the lime, and hence is useless in the Bordeaux mixture. There is no easy way outside a chemical laboratory of telling the presence of magnesia.

As a general rule more "process" lime is required to neutralize the copper sulfate than good stone lime.

LIME-SULFUR WASH.

Lime 20 lbs.

Sulfur 15 lbs.

Water sufficient to bring the boiled product up to 45 gallons.

General Directions for Preparing. The lime and sulfur must be boiled or steamed. Mix the sulfur into a thin paste, using only enough water to break up all the lumps. Place about 15 gallons of water in a kettle, or boiling tank, or vat, if steam is employed, and heat to the boiling point. Add the sulfur paste to the boiling water and mix thoroughly. Next, add the stone lime—which should be previously weighed out and ready for use—and while the lime is slaking stir often enough to keep the lime and sulfur well mixed. In this way the entire heat of the slaking lime combined with the heat of the boiling water will dissolve much of the sulfur. As the sulfur goes into solution, a rich brick-red color will appear. While the lime is slaking water may have to be added to prevent boiling over. Where steam is employed it will have to be turned off until the lime is partly slaked. An excess of water, more than 15 or 20 gallons at the most, is not desirable. After the lime is slaked continue the boiling for from forty minutes to one hour, or more if necessary to get the sulfur well dissolved.

Special method by steam.—The following method is recommended by Geo. E. Fisher, former San José Scale inspector for the Province of Ontario, Canada: Steam is employed to dissolve the lump sulfur and cook the mixture. Provide yourself with eight barrels. Put in quarter the full amount of sulfur and fresh stone lime in four barrels with a proportionate amount of water. Turn the steam under a pressure of 80 to 100 lbs. (15 to 20 lbs. pressure works well) into these four barrels. When the water has boiled for a few minutes in these barrels turn off the steam. It may then be turned on to four more barrels which have been prepared in the same manner as the first set. The full amount of lime and sulfur is then added to the first set of barrels slowly enough to prevent boiling over by the heat generated by the slaking lime. When the lime is all slaked, turn on the steam again for two or three hours or till the mixture is thoroughly cooked. It is quite possible, to feed each barrel during the boiling process with a small stream of water, which will gradually fill the barrel without preventing the boiling. The mixture becomes quite thin during the boiling process, and when finished is of a deep orange color.

The mixture may also be made by boiling in iron kettles. Heat the water before adding the lime and sulfur. All the sulfur should be thoroughly reduced. Pour into the sprayer through a strainer, and apply to the trees while warm. This is to be used while the trees are dormant. This mixture has considerable value as a fungicide. It prevents curl leaf and has in some cases prevented apple and pear scab. Should be used fresh.

AMMONIACAL COPPER CARBENATE.

Copper Carbonate.....	5 oz.
Ammonia or Aquafortis (26° Beaumé)	3 pints.
Water	45 gals.

Make a paste of the copper carbonate with a little water. Dilute the ammonia with 7 or 8 volumes of water. Add the paste to the diluted ammonia and stir until dissolved. Add enough water to make 45 gallons. Allow it to settle and use only the clear blue liquid. This mixture loses strength on standing. For fungous diseases late in the season.

COPPER SULFATE SOLUTION.

Copper sulfate	1 pound
Water	15-25 gallons

Dissolve the copper sulfate in the water. It is then ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines, use 25 gallons of water. For fungous diseases, but now largely supplanted by the Bordeaux mixture. A much weaker solution has been recommended for trees in leaf but it is rarely used.

POTASSIUM SULFIDE SOLUTION.

Potassium sulfide (Liver of sulfur)	1/2—1 oz.
Water	1 gallon

This preparation loses its strength upon standing, and should therefore be made immediately before using. Particularly valuable for surface mildews.

HELLEBORE.

Fresh white hellebore	1 ounce
Water	3 gallons

Apply when thoroughly mixed. This poison is not so energetic as the arsenites, and may be used to within a short time before the edible portions of the plant mature. It is important to have fresh powder. For insects which chew.

KEROSENE EMULSIONS.

Hard, soft or whale oil soap	1/2 pound
Boiling soft water	1 gallon
Kerosene	2 gallons

Dissolve the soap in the water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 4 to 10 times before applying. Use strong emulsion for all scale insects. For such insects as plant-lice, mealy-bugs, red spider, thrips, weaker preparations will prove effective. Cabbage-worms, and some other insects which have soft bodies, can also be successfully treated. It is advisable to make the emulsion shortly before it is used for insects that suck their food. For San José scale it is recommended to use 1 pound of whale oil soap and dilute in proportion of one part to six of water. Especially effective in summer to kill young and tender lice.

KEROSENE-LIME EMULSION.

Air-slaked lime.	1/2 pound
Kerosene	1 quart
Water	2 gallons.

Mix lime and kerosene, stirring thoroughly till a smooth mixture is obtained. Add water and stir in. Apply direct for sucking insects such as scale, aphids, etc.

KEROSENE-FLOUR EMULSION.

Flour	1/2 pound
Kerosene	1 quart
Water	2 gallons

For the same purpose and made in the same way as the above.

TOBACCO WATER.

This solution may be prepared by placing tobacco stems or leaves in a water-tight vessel, and then covering them with hot water. Allow to stand several hours or until color of strong coffee; dilute the liquor from 3 to 5 times for sucking insects. For aphids and soft bodied insects, not so effective as whale oil soap or kerosene emulsion.

STICKER.

Resin	2 pounds
Sal-soda (crystals)	1 pound
Water	1 gallon

Boil until of a clear brown color—1 to 1 1/2 hours. Cook in iron kettle in the open. Useful for onions, cabbage and other plants hard to wet. Add this amount to each 50 gallons of Bordeaux. For other plants add this amount to each 100 gallons of the mixture. This mixture will prevent the Bordeaux from being washed off by the heaviest rains.

WHALE OIL SOAP.

Dissolve in hot water if wanted quickly. For use on dormant trees for San José Scale dilute 2 pounds to 1 gallon water; for summer use on scale or aphids 1 pound to 5 to 7 gallons water.

MAXWELL DUST-SPRAY.

1 bbl. fresh lime.
25 lbs. copper sulfate.
5 " concentrated lye.
25 " powdered sulfur.
6 " Paris green.

Spread lime in large shallow box, breaking into as small lumps as possible. Dissolve the copper sulfate in six gallons boiling water; also dissolve the lye in five gallons hot water. Keep separate. Sprinkle copper sulfate solution over the lime. Follow with lye water. If the lime does not all crumble to a dust, use clear water to finish. Screen the lime through a fine sieve, rub the sulfur through the sieve into the lime, add the Paris green and thoroughly mix both with lime. Lime should crumble to powder, not granules.

Copper sulfate water must be used hot, or the copper will re-crystallize. Mixing should be done out of doors or in separate building, as lime in slaking becomes very hot.

MISSOURI EXPERIMENT STATION DUST-SPRAY.

To make 70 pounds of stock powder:

4 lbs. copper sulfate.
4 " quick-lime.
2 1/2 gallons water in which to dissolve copper sulfate.
2 1/2 " " " " " slake quick-lime.
60 lbs. air slaked lime thoroughly sifted.

Dissolve the copper sulfate and slake quick-lime separately, each

in 2 1/2 gallons water. Pour at same time milk of lime and copper solution into a third vessel and stir thoroughly. Surplus water is then strained out and remaining wet material is thoroughly mixed with the 60 pounds of air-slaked lime. All lumps must be sifted out and the mixture must be perfectly dry. One pound each of sulfur and Paris green may be added.

These dust sprays are not recommended where water is readily available and where liquid spray machines can be operated satisfactorily. Their fungicidal value as demonstrated by various experiments is comparatively weak.



How The Compressed-Air System Looks. The W. H. Owen Co.

SOLUBLE OR MISCIBLE OILS.

These are preparations of petroleum oils, for sucking insects (scale, etc.), mixed in such a way as to emulsify readily when poured into water. They are put on the market under various names. They are ordinarily diluted 12 to 15 or more times when used. That is, one gallon of the "soluble oil" is to be mixed with twelve or fifteen gallons of water. After stirring, it is ready for use. In this respect, they are exceedingly convenient and commend themselves to the orchardist. This spray, however, costs considerably more than lime-sulphur. Some have used these materials with excellent results, others report complete failure, while others find that the results are inconstant in character. They are to be used only during the dormant period in the strengths mentioned. At present it does not appear to be safe to use them on trees in foliage. We recommend each grower to use these mixtures experimentally until their efficacy has been more definitely established.

FUMIGATION OF NURSERY STOCK.

SOME GENERAL RULES.

Do not fumigate trees when they are wet. Fumigate from half to three quarters of an hour. Do not leave the gas in the house over night. A house ten feet square will answer for a nursery of one hundred acres. Find your space, figure amount of chemicals needed and post in a convenient place for reference.

FORMULA FOR 100 CUBIC FEET OF SPACE.

1 oz. Potassium Cyanide	98—100 per cent. purity.
2 ozs. (fluid) Sulphuric acid	66° B test.
4 ozs. Water.	

For a room 10x10x8 ft., the following charge would be required:

1/2 lb. Potassium Cyanide.
16 ozs. Sulphuric Acid, 1 pint.
32 ozs. Water, 1 quart.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., MARCH, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
National Inspection Law—Hon. Orlando Harrison, Berlin, Md.
Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.
Program—R. C. Berckmans, Augusta, Ga.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; vice-president, A. L. Brooke; secretary, Thomas B. Meehan, Dreshertown, Pa.; treasurer, Peter Youngers. Meets annually in June.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
Western Association of Wholesale Nurserymen—President A. Willis, Ottawa, Kansas; vice-president, George Marshall, Arlington, Neb.; secretary, E. J. Holman, Leavenworth, Kansas.
Southern Nurserymen's Association—President, Chas. T. Smith, Concord, Ga.; vice-president, C. M. Griffing, Jacksonville, Fla.; secretary-treasurer, A. I. Smith, Knoxville, Tenn. The next meeting will be held in Atlanta, Ga., August, 1908.
Oklahoma Association of Nurserymen—President, J. A. Lopeman, vice-president, J. P. Taylor; secretary and treasurer, C. E. Garee.
Texas Nurserymen's Association—President, E. W. Kirkpatrick, McKinney, Texas; vice-president, B. L. Adams, Bonham, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Pacific Coast Association of Nurserymen—President, W. D. Ingall, North Yakima, Wash.; secretary-treasurer, C. A. Thompson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa. Next annual meeting at Harrisburg, in January.
National Association of Retail Nurserymen—President, William Pitkin, Rochester, N. Y.; secretary-treasurer, F. E. Grover, Rochester, N. Y.

THE COMING CONVENTION.

Perhaps the rush of the shipping season does not seem a desirable time to remind our nursery friends of the coming convention; but the great extent of the country interested, and the varying conditions make it impossible to speak of time events of this sort just when they are a propos to all.

The Association has elected to meet in the city of Milwaukee. This means that there will be a large delegation of the fruit growers from the Middle and Northwest. It will be an opportunity for the nurserymen of the South to see this land of golden promise in the North. Let us hope that a large number are already making plans which will enable them to come to the convention, and come not alone, but attended by their wives and families.

ON SPRAYING.

Each year finds the practice of spraying more and more firmly entrenched in the program of the intelligent fruit grower and nurseryman. There is no winking at the fact that certain of our pests have become standard enemies, as it were, the country over. In our opinion the time is not very far distant when in those states in which San José scale breeds and spreads rapidly, there will be little use of maintaining anything like restrictive measures against its admission. In other words, each grower in that state, in order to protect himself, will be obliged to spray, and it will be only a short time before the principal orchard regions will be so infested that it will make little difference whether the stock purchased has been fumigated or not. In other words, the grower must face the problem of spraying anyhow, and he may have in his orchard infested areas. To that man the necessity of purchasing stock free of San José scale is a comparatively unimportant question.

The necessity of spraying is one of the great restrictive agencies affecting fruit growing, and will have much to do with answering the question of whether there is likely to be over-production in the near future. Success in spraying depends on knowing the enemy, understanding the remedy, and applying it intelligently. This means that the fruit grower must study life histories of insects, must study their vulnerable points, the best means of controlling them, and all the details which are associated with the remedies and the machines used in applying them.

DIPPING VERSUS FUMIGATING.

Since the advent of the miscible oils as sprays and insecticides, some nurserymen are inclined to recommend the dipping process as a substitute for fumigating for San José scale. Various experiments have shown that dipping in miscible oils or in lime and sulphur is a fairly effective method of ridding the stock of San José scale. It has also the additional advantage that the grower may be sure that his stock is treated, for the trees will carry the evidence of lime and sulphur or miscible oil. On the other hand it is unquestionably true that in fleeing from fumigation and taking refuge in dipping, the nurseryman is rejecting the easy method and accepting the difficult and expensive one. The dipping of a carload of

nursery stock in any of the mixtures recommended is no light task. Neither is it an agreeable or pleasant one. Nurserymen who are lightly advocating the replacing of the fumigation method by the dipping method should carefully consider both in all their bearings before committing themselves.

HANDLING STOCK.

Much complaint comes from planter and nurseryman who handle fumigated stock. Many growers object to purchasing fumigated stock on the score that the growth of such stock is uneven, irregular and unsatisfactory. Nurserymen themselves, are not satisfied with it. The question is whether these unsatisfactory results are in all cases to be charged to the influence of fumigation. Is it not a fact that in the process of fumigation that nursery stock is frequently exposed in such a way as to weaken it very considerably? It is of course well known that if nursery stock is fumigated when in a moist or damp condition the possibility of injury is considerable. When taken from a cool storage house to a comparatively warm fumigating room, condensation is likely to occur. When fumigated in this condition injury is very apt to follow. The point we are trying to make is that if care and judgment is used in the fumigation of stock, much of the injury now complained of may be avoided.

THE FULTON AMENDMENT

At its last meeting the National Association of Railway Commissioners adopted a resolution that in a way is self-explanatory. It reads as follows: "No increase of an interstate rate, or the discontinuance of a rate effecting an increase should be permitted without opportunity to protest being afforded, and upon hearing and determination as to reasonableness when objection is made, in advance of the new rate becoming effective."

In most other counties, new schedules of rates can not be put into operation until permission has been granted by the commission on railroads or some duly authorized body. All that is now necessary in this country is to give thirty days notice and to file the schedule with the Interstate Commerce Commission. Obviously, there is thus a great opportunity for the railroads to discriminate against any or all classes of producers. A section of the country supplying raw material to another and far-distant section may be almost ruined by arbitrary freight rates. Such is now the case of the lumber industry of the Northwest, which although not actually ruined is seriously crippled and handicapped. The Live Stock interests, the National Hay Association and the Creamery men of Nebraska and Missouri are at present in the same situation.

In view of these facts the NATIONAL NURSERYMAN favors the Fulton Amendment S. B. 423 to the Interstate Commerce Law. This amendment if passed will allow for a hearing on all changes in interstate tariffs issued by transportation companies previous to their going into effect.

REMOVING A TREE WEIGHING 16 TONS.

The transplanting of ordinary trees is a small matter, but to transplant a tree weighing 16 tons may be called a difficult undertaking. This, however, was successfully accomplished at the residence of Alexander M. Lindsay, Rochester, N. Y.

The work was under the direction of W. Tichner, a landscape gardener. The tree was undermined leaving the large roots encased in a ball of frozen earth. The distance across the space occupied by the roots and frozen earth was between 13 and 14 feet. Having undermined the giant, the work of lifting the heavy tree with the earth-encrusted roots across a space of 40 feet to where it was planted again, was accomplished. Rollers were in this case employed in moving the tree but in most cases specially constructed wagons are used for transportation.

A MISTAKE CORRECTED.

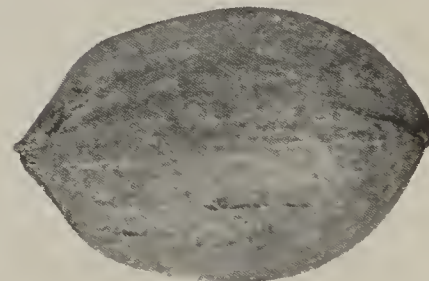
On page 44 of the February issue of the NATIONAL NURSERYMAN the large central cut used to illustrate the article of C. M. Griffing, secretary of Griffing Brothers Company, Macclenny, Florida, had the varieties shown misnamed. It has been discovered also that the half-tone used was copyrighted by S. H. James, of Mound, Louisiana. Through a printer's mistake, this was used in Mr. Griffing's article. Naturally Mr. James is indignant, not only that the cut has been used, but also that the varieties have been misnamed. The NURSERYMAN wishes to take this opportunity of setting matters right. Below are given three half-tones and descriptions of varieties grown by Griffing Brothers. These should have been used last month. The photographs that appeared in the February NURSERYMAN on page 44 are then those grown by Mr. S. H. James, and are misnamed.

DAISY.—Large size, long, tapering gracefully at apex; very thin shell and partitions, practically no corky substance; kernel full, plump and uniform, separating from shell easily, making it easy to extract the kernels without breaking the two apart.



Daisy

RANDALL.—Medium to large size, ovate; shell moderately thin; kernel plump and uniform, separating easily; quality very good, very few pops; tree vigorous and prolific; one of the most practical varieties.



Randall



Frotcher

FROTCHER.—Large sized, thin shelled with thin partition free from corky substance; plump, full kernels and good quality.

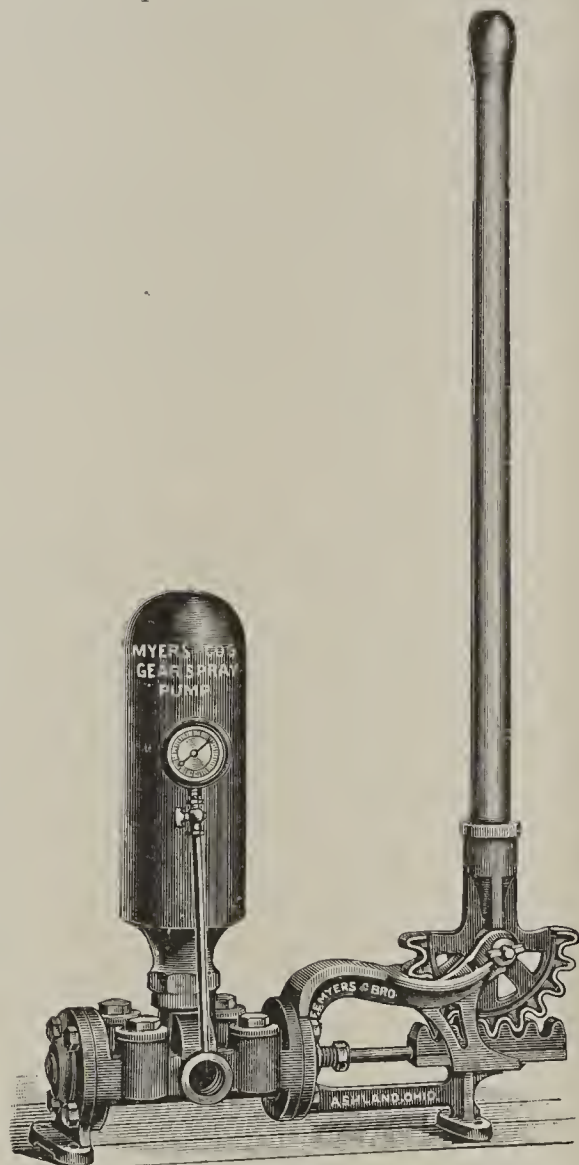
IMPROVEMENTS IN SPRAY MACHINERY

In no other country in the world is spraying practiced so much as in the United States. Every year new formulas are discovered, and fresh steps taken to defeat insect pests. Along with this advance in formulas is a very decided improvement in the appliances for delivering the mixtures to the crops. Prominent manufacturers of spraying appliances announce improvements.

There are several new appliances for the 1908 "Friend" spraying outfits but no radical changes appear in the power machines. The 1908 model shows a new carburetor of peculiar design in which are embodied some important features. One point that speaks well for it is the fact that the tipping of the engine by uneven ground in the orchard, makes no noticeable difference in its operation because the float chamber and the nozzle feed are self-contained. There is no side-drawing defect and some of the fine adjustments to which all carburetors have been subject to are entirely eliminated in it. The pump cylinders show the same principle that proved so successful last season, the packing and adjustment of it being from the outer end, where it is easy of access, etc. The engine cylinder in the new model is made from new patterns which shows some attractive features. The fan which cools the cylinder is situated inside the pump jack gear instead of outside, and is mounted on the cylinder by a separate casting which can be removed. The fan is guarded all the way around, making it safer. The exhaust to the cylinder leads down and is connected to the muffler, (which is the same small construction which has been used for several years), by a one inch nipple about four inches long. This arrangement all makes the appearances of the outfit very much better, and one which promises to please the operators of them. The difficulty with the lime and sulphur cutting out the plungers on the pump, which was last year so plainly demonstrated, during the fore part of the season, has been entirely eliminated by the use of steel tubing in place of the brass which can be applied to any machine made in former years. This was thoroughly tested last season and the result was most gratifying. The steel plungers in many instances were left in service when the change from the lime and sulphur to bordeaux was made, in order to see what the effect might be. It is reported that they worked nicely. On account of the ability to oil the packing, a distinction which this pump enjoys, it is possible to use the steel in the bordeaux solution with good results.

During the last season's operations complaint was made in the South and other parts of the country where spraying is done with heavy lime and sulphur solutions, that the friction of the mixtures wore small holes in the faces of the nozzles directly behind the orifice.

The "Friend" company to prevent this set into the face of the nozzle a hard substance capable of withstanding the wear. They discovered in doing so that a cone shape upon the face of the nozzle



A Myers Gear Spray Pump.

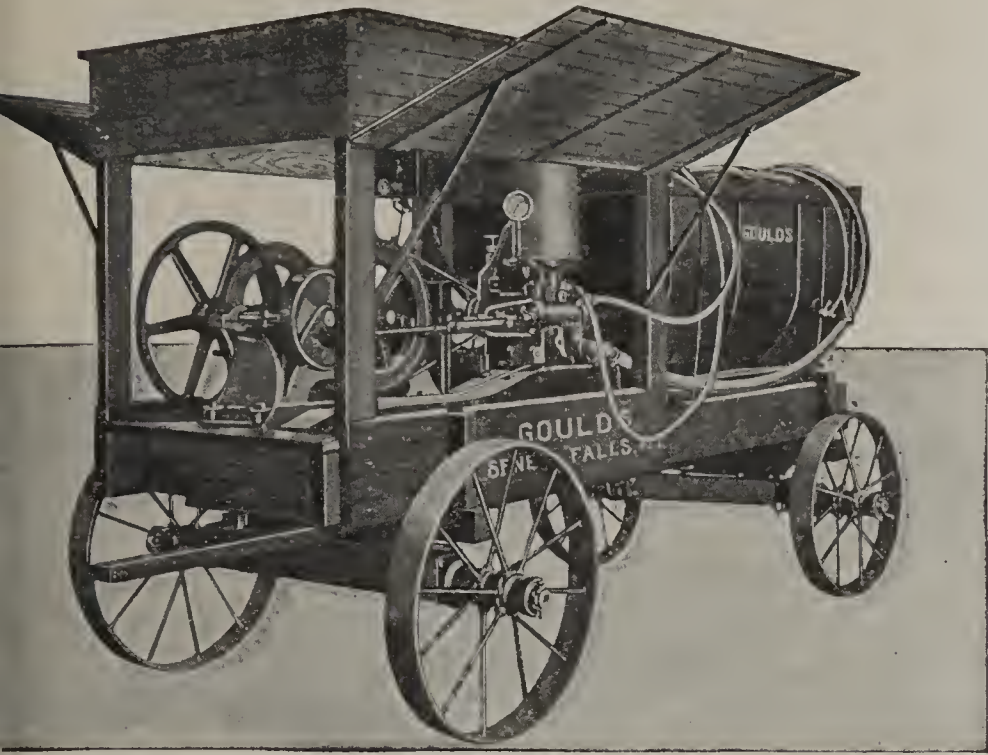
or a portion slightly raised approaching the orifice made material difference in the fineness of the spray. They have patented this feature and claim that their improved nozzle can stand the lime and sulphur solutions about which complaints have been made.— ("Friend" Mfg. Co., Gasport, N. Y.)

F. E. Myers and Brother, (Ashland, O.), are putting out three new spray pumps, which are very efficient and economical. Every pump made by this firm is thoroughly tested, and is guaranteed to give perfect satisfaction. One noticeable improvement over the old style of pump is the fact that they have the ratchet handle. This is an advantage over the old style, straight fulcrum pump. The pump shown in the illustration is capable of being fastened to the floor, or to a plank, or, if need be, to the head of a barrel. For this latter purpose the ratchet handle may be made to extend horizontally instead of vertically, thus allowing up and down motion of the handle while in operation. The pump is fitted with a removable brass-body cylinder, concave brass valve-seats, and brass valves with ground surface. The valves are all located on top of the pump, and can be readily reached by removing the top cap and air-chamber. The piston rod is brass, and is supported by a yoke attached direct to the head of the cylinder. This always assures alignment of the pump. It has a steel handle and pressure gauge. Moreover, it is fitted with a valve between the air-chamber and the pump, which retains the pressure in the air-chamber, and relieves the valves of the pump of all strain. The Myers pump shown in Figure, has ground brass seats, and brass ball-valves. The valves are located on the side of the pump, and can be reached by removing the nut immediately over them. Either valve can be removed separately without disturbing the others. This special arrangement is different from that on any other power spray pump. The plunger is hemp packed, adapting it for pumping either hot or cold liquid. The cross head is operated on drawn-steel rods, which are attached directly to the head of the pump.

The compressed air system of spraying is rapidly coming into use—in the Middle West particularly. In some sections it is superseding the gasoline engine and hand pump. The advantages of this system, as far as we can determine, is primarily that of economy. The Wm. H. Owen Company, (Port Clinton, O.), reports that one man at the spraying plant to make the mixture, run the engine and fill the tank, one with the compressed air, another with the solution and still another in the orchard to do the spraying, can do the work formerly done by ten men and three teams, and three 200-gallon tanks. The economy extends not only to first cost, and ease of operation, but also to time, it being claimed that more work can be done in the same time than with the other kinds of sprayers.

The Goulds (Seneca Falls, N. Y.), announce general improvements on their power sprayer. As has always been true the complete mounted outfit is constructed on practical lines in every sense of the word. Every working part is placed where it should be to make it convenient for the operator. It does not require a Mechanical Engineer to operate, as the engine has so few working parts and is so simple that any farm hand can operate it successfully. The pump has ample power for spraying, handling with ease eight or more nozzles. With the aid of a tower which may be readily attached and the extensions which are furnished with each outfit, the highest trees can be easily reached and effectively sprayed. The construction is of the best, the lumber being selected quality. The frame work is held together with $\frac{1}{2}$ in. rods. The engine house roof is covered with $\frac{7}{8}$ in. matched lumber, built sufficiently strong to carry two men. The cab thoroughly protects the engine from the spray mixture also from weather when not in use. The mechanical agitator is operated by the engine. The relief valve is of improved pattern and may be readily adjusted. The "Vice-Admiral" power sprayer of this company has been improved also.

The Engine and Pump are mounted on the same metal base, eliminating vibration and racking of the pump and gears. The Engine is air-cooled by a rapidly revolving fan placed inside of the hood, which is so shaped as to carry off the greatest possible amount of heat. The method of attaching connecting rod to the Pump



The Gould Improved Power Sprayer

applies the power in a straight thrust, relieving Pump and gears of undue strain and wear. This method makes practical the carrying of higher pressure than has been considered possible heretofore.

A serious trouble of orchardists who are using power sprayers is the inability of the rig to stand up under constant pressure, owing to lack of rigidity and inefficient method of driving the Pump. This outfit, when operating under a high pressure, shows an abundance of surplus power, yet works smoothly and with an ease that comes only from surplus strength and rigidity. This is not accomplished by excessive weight and bulk. It is obtained by the method of driving the Pump, powerful back gearing, and pump being rigidly attached to same base from which it is operated. The base is only 45" long.



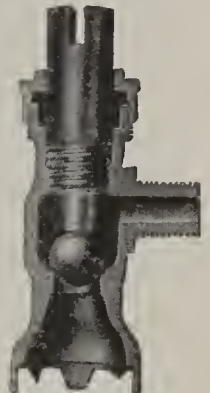
Products of the Deming Company.

There is great demand for efficient and convenient kerosene sprayers. The element of accuracy enters largely into machines of this type. The Deming Company, (Salem, O.), are putting on the market two which are carefully tested and are accurate as to proportions of oil and water. No measuring is necessary, since this method of making kerosene emulsion does away with the troublesome mixing and boiling required in the old formula.

Oil is placed in the smaller tank and water in the larger. By adjusting the indicator on the dial on top of the oil tank, any desired proportion of kerosene, from one to fifty per cent, may be obtained. This is then thoroughly united with the water by the operation pumping, both in the valves of the pump and in the nozzle, the mixture being discharged in a very fine mist. Spray Pumps fitted with kerosene attachment are listed on the next page. When used for spraying solutions such as Bordeaux mixture, the oil tank may be removed or the supply of kerosene shut off by turning the indicator to the zero point.

The Auto-Spray is not an entirely new invention, but a new model has been made by the E. C. Brown Co. (Rochester, N. Y.). It has a pump so arranged that it may be operated at any time without

taking the reservoir from the shoulder and a constant high pressure may be maintained. This feature, we believe, is not to be found in any other compressed air sprayer.



The new model has a pump cylinder which is carried at the side of the operator and connected with the reservoir by a rubber hose. This pump cylinder being entirely free from the reservoir, and owing to the position in which it is placed while being used, it is perfectly convenient for the operator to pump up air pressure whenever necessary without removing the machine from his shoulder, or to pump constantly if desired to maintain a very high pressure.



The Auto-Spray, for this year, is fitted with a new automatic shutoff, which enables the operator to control the spray easily. It is operated by a lever, and hence is not tiresome, as is the case with the thumb operated nozzle devices, which having no lever cannot be used for constant work. This automatic shutoff has large direct ports, which do not restrict the flow and pressure, and will throw a fine, mistlike spray with great force.

The spray is carried in such a position, and the pump is so attached to the operator that there is not the least inconvenience in filling, carrying, or in pumping up the air pressure. The automatic attachment is conveniently operated by the left hand, while the pump is easily operated by the right hand.

The Protumna Gas Sprayer recently put on the market by the American Horticultural Distributing Co., is, we believe, one of the newest things in spraying appliances. This sprayer has a special little device which prevents the gas, entering the spraying tank, from shooting down into the liquid and carbonating it as all gas absorbed by the water is lost so far as power is concerned. This is an important feature. The results of many experiments by the company indicate that this little device on the Protumna means a considerable saving in the quantity of gas used.

Another move recently made by this company is, we believe, of great importance to the fruit growers. After a great deal of experimenting and correspondence with other experimenters and practical orchard men this company is now putting on every package of their Target Brand Arsenate of Lead a label guaranteeing not less than 60 per cent. water free Arsenate of Lead. This standard for Arsenate of Lead seems from all points of view to be the most desirable one for the fruit growers.

The 40 per cent. moisture makes a paste with the proper consistency for rapid mixing with water. The 60 per cent. of Arsenate of Lead makes the standard 10 per cent. higher than has been

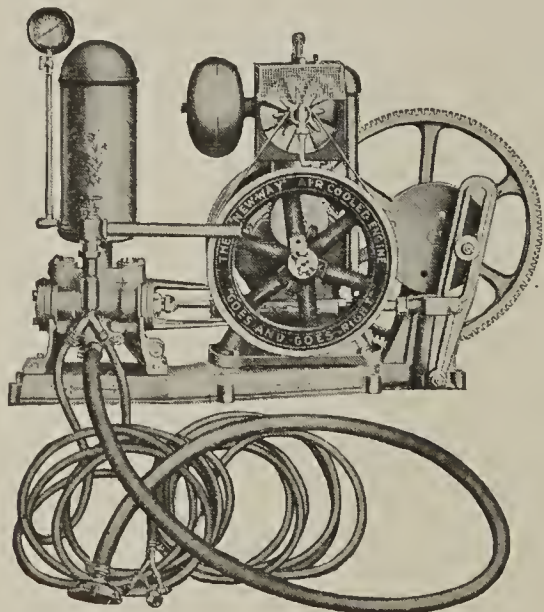
heretofore in many cases accepted as a standard. Still 60 per cent. is easily within the reach of careful and conscientious manufacturers. Even the most casual observer who notes the different reports on the use of Arsenate of Lead discovers at once that there is no standard Arsenate of Lead in the minds of various reporters. All of the evidences indicate that very often one man says he got good results from using one pound of Arsenate of Lead and another insists that 2 pounds to 50 gallons of water were absolutely essential. The difference in results may probably be attributed to different strengths in the Arsenate of Lead used. Their chemist has prepared a paper on this subject of determining a proper standard for Arsenate of Lead which will soon be published. The guarantee label of 60 per cent. is, we believe, a most important step and one that will mean a great deal to fruit growers.

The latest type of horse power and gasoline power machines made by the Spramotor Company of London, Ontario, are worthy of close attention and study. The horse-power machine is capable of doing a great range of work. Having a capacity of 12 nozzles at 125 lbs. pressure, makes it possible to spray all small and medium sized trees, such as apples, pears, plums and peaches, perfectly with one man, and a boy to drive. The plan is to use one line of hose with an extension pipe of suitable length and an eight-nozzle cluster or smaller for small trees, and, all except the largest apple trees, can be sprayed in passing. The large air chamber (12 gallons capacity) gives ample reserve to stop for short intervals at each tree if desired. The motor being of large capacity will pick up the pressure from tree to tree, not possible hitherto. By a simple change of spray rods the rig can be changed from a tree spraying rig to spray vineyards, potatoes, or grain crops.

The extent to which this company has gone to make the sprayer under the control of the driver is commendable. As the pressure is regulated automatically, no attention is required in that respect, yet a means is provided to throw in and out of gear by hand. The stand pipes that spray the grapes are so arranged that they can be raised or lowered or made wider or narrower, each independent of the other, thereby providing a means of keeping the nozzles the right height and distance from the vines, all of which is under the control of the driver without moving from his seat.

The new features in the way of nozzles and accessories all tending to greater effectiveness and economy, show great activity and invention.

The "New Way" to take care of fruit trees in large orchards, which is rapidly becoming a favorite line with dealers situated in fruit-growing sections of the country, is by the use of the "New Way" Power Sprayer, manufactured by the "New Way" Motor Co. of Lansing, Mich. We show herewith two illustrations of this



How the "New Way" System Looks.

sprayer, which has proven its adaptability to all classes of spraying, not only in fruit-growing districts as suggested above, but in cities and towns where it is used to spray the shade trees. The work of years is often destroyed in a short time by insects, causing almost irreparable loss; and it has been found to be a profitable investment by the municipality, or by private persons, to own one of these

"New Way" Power Sprayers, to take care of the trees on the streets and private grounds.

A concern of standing and a good one, twenty-five years in business—The N. N. Lenox Sprayer Co., 165 W. 23d St., New York, makers of many kinds of spraying apparatus for the trade, and spraying material which the San José Scale do not like very much for reasons fully explained in their page advertisement, are offering the real Lenox spraying outfit, built on merit; particularly adapted for use on tall trees in the orchard, on small fruit, low trees, shrubbery,



strawberry beds, potatoes, tomatoes, cabbage field, vineyards, for hops, the poultryhouse and upon the stock and in the stable, etc. For nurserymen this model friend does seem like a friend, ready to do everything on the place. An important fact about this spraying outfit is, it does not require much of an outlay to own one and can be used in places where the power pump cannot be used. Any nursery or place of any importance should have one of the model friend spraying outfits as an investment on the place.

The Hurst Horse-Power Sprayer has a solid steel frame formed of heavy two-inch angle steel in one piece which makes it stronger than any other we know of, and we've seen all other makes. This supporting frame rests on a solid cold rolled steel axle 1 11-16 inches in diameter—the heaviest axle to be found on any sprayer.

The wheels are iron, the only suitable material for farm implements. Wood wheels soon dry or rot out and have to be continually repaired. It's better to have dependable iron wheels at first and be free from fuss and worry. The wheels are 44 inches high with a 3/8-inch tire 3 inches wide. They are adjustable on the axle. Each wheel is spring ratcheted so that the sprayer can be easily backed or turned in any direction. Both wheels drive the pump, developing plenty of power for the piston of the compressor-pump.

The tank is made of the best cypress wood, both edges of every stave carefully fitted together, snugly and tightly bound by round steel hoops, the ends of which are united by adjustable take-up lugs.

The Pump is powerful, developing 200 pounds pressure when worked to its capacity, 70 pounds, however, is sufficient for any kind of spraying. Has 3-inch cylinder and large air-chamber surmounted with an accurate pressure gauge directly in front of the operator. The Pump has brass ball valves, brass plunger and all other working parts that come in contact with the corrosive solutions are brass.

The source of power is the steel axle. When the wheels start the large sprocket wheel turns also and transmits its power through an endless chain to the small sprocket wheel on top edge of tank. This is mounted on the end of a shaft. On the farther end of this shaft an eccentric wheel is forged. This eccentric works like the pitman of an engine, is positive in its action, uniform in stroke. The pump has no leather nor rubber packing, nor cup-leathers; but is packed and adjusted the same as an engine.

There are two Agitators, which keep the ingredients of the spraying mixture thoroughly agitated at all times. The first or mechanical agitator is a paddle moved by the same eccentric wheel that drives the compressed air piston. The second or compressed air agitator is only in use when driving to field and keeps the mixture hurriedly bubbling until it is ready for spraying.

The whole machine is well made. It is strongly built and scientifically correct. The best steel, iron and brass castings are used throughout. The whole machine is given two thorough coats of hard drying paint. THE HURST MFG. CO., Canton, Ohio.

INSPECTION LAWS NOT ENDORSED BY LEADING ENTOMOLOGISTS.

In October, 1907, W. B. Cole wrote to the nursery inspectors of about forty different states, asking for their personal views as entomologists on the following questions and received the following replies. The object in obtaining this data was to ascertain whether the nursery interests of the country are justified or not in asking for the repeal of the various state laws which now exist or amending the same to make them applicable to the present conditions.

SYNOPSIS OF REPLIES.

Owing to the widespread distribution of San José scale, and the general infestation of most orchard sections, which now exists, do you not consider it an unnecessary hardship and expense to the nurserymen of the country:

1st To require the destruction of trees not infested with San José scale but in close proximity to infested trees?

	No. of Answers.
"Yes."	12
"Yes, under most conditions."	1
"Not necessary to destroy such trees, but should be sprayed."	1
"I do not assume right to destroy trees not infested."	1
"I do not consider it necessary or proper to require the destruction of trees not infested, under any circumstances."	2
"No."	3
Total.....	20

2d To require the destruction of slightly infested nursery stock which can be successfully treated either by spraying, dipping or fumigating?

	No. of Answers.
"Yes."	8
"No."	4
"Foolish to do so."	1
"Not necessary."	1
"Yes, except for interstate commerce."	2
"Yes, under most conditions."	1
"Would allow sale on fumigation."	1
"Would superintend fumigation."	1
"No trees should be sold from an infected block until after thorough treatment, and results passed upon by official inspector."	1
Total.....	20

3d To require the destruction of permanent plantings of fruit and ornamental trees or shrubs on nurserymen's premises when same are no more a menace to growing nursery stock than neighbor's trees, and when said plantings are sprayed and cared for so as to keep San José scale under control as far as possible?

	No. of Answers.
"Yes."	6
"Yes, under most conditions."	1
"It may be."	1
"Should not be destroyed."	1
"Not necessary if properly sprayed."	1
"Depends on conditions."	3
"All infested stock should be properly sprayed."	2
"Should be thoroughly treated."	1
Total.....	16

4th To require the fumigation of species or kinds of nursery stock not subject to the attack of San José scale?

	No. of Answers.
"Yes."	7
"Yes, most emphatically."	1
"No, evergreens and rhubarb would be all I would exempt."	1
"Yes, under most conditions."	1
"Not necessary."	2
"Fumigation of nursery stock not infested is not required."	1

"Is useless as far as this pest is concerned."	1
"Would fumigate for other pests when present."	2
"Compulsory fumigation of nursery stock, not subject to scale is likely to lead to deception and fraud."	1
Total.....	17

5th To require nurserymen to give bond or license in excess of that of any other legitimate business, in order to sell through agents or otherwise in any state or county?

	No. of Answers.
"Yes."	2
"No."	1
"Not ordinarily a great hardship."	1
"Am in favor of a bond."	1
"Not in favor of a bond."	1
"I do not approve of a bond."	1
"It is an unwise discrimination."	1
"Savors of discrimination."	1
"Not more so than in other lines of business."	1
"See no reason why nurserymen should be required to give excess bond or license in order to sell."	1
Total.....	11

(For some reason a number of state inspectors did not wish to express an opinion on this question.)

IMPORTANT STATEMENTS BEARING ON THE INSPECTION PROBLEM.

"I see no reason for destroying any trees infested with San José scale unless so badly infested as to have seriously lowered the vitality of the trees. I believe that the requirement to spray or fumigate all trees before shipping is the best method that can be adopted to prevent the spread of pests from nurseries. My personal opinion is that inspecting nurseries once or twice a year is not at all effective in preventing the shipping of infested trees."

Mr. H. M. WILLIAMSON, Sec'y State Board of Horticulture, Portland, Ore.

"The state (Ind.) laws do not recognize certificates of fumigation by any specific mention. However, I would accept a certificate of fumigation wherever I was satisfied that the work had been properly done. The policy of this office is a constructive and not a destructive one. We destroy no stock that can possibly be saved."

BENJ. W. DOUGLAS, State Entomologist, Indianapolis, Ind.

DOVER, Del., Dec. 27, 1907.

"In neighborhoods that are so thoroughly infested with San José scale that every orchard is more or less effected, no serious harm can come from planting slightly infested nursery stock, especially if this stock has been properly fumigated. Therefore, while such stock could not be certified, I would allow it to be sold in infested territory, the buyer being notified that it was infested but had been thoroughly fumigated. There are difficulties in the practical application of inspection laws and what would be allowable under certain conditions might be reprehensible under others; and for this reason the laws should be somewhat elastic, and men of clear judgment selected to execute them."

WESLEY WEBB, Cor. Secretary State Board of Agriculture.

"Compulsory fumigation of stock not subject to scale is likely to lead to deception and fraud on the part of a few nurserymen."

H. T. FERNALD, Inspector for State Board of Agriculture, Amherst, Mass.

"It is true that San José scale has become widely distributed and it is a question how long we shall be justified in causing the destruction of nursery stock when only slightly infested."

W. E. BRITTON, State Entomologist, New Haven, Conn.

HOW INSPECTION LAWS ARE ENFORCED.

In order also to obtain some data regarding the enforcement of the various Nursery Inspection Laws, Mr. Cole mailed, October last, to all state inspectors the following questions. Following each question are the replies received, tabulated and condensed.

A careful study will show that the existing laws are not adopted to present conditions and often work unnecessary hardship to the nurseryman.

1st Under your state law what insects and diseases are classed as dangerously injurious to nursery stock?

(Following the names of the insects or diseases is the number indicating the times mentioned in replies).

It is interesting to note that San José scale was the only insect mentioned in every reply as being dangerously injurious. Usually from two to six insects were mentioned in each reply.

San José scale	18	Wooly Aphis	12
Crown Gall	12	Peach Yellows	11
Black Knot	8	Pear Blight	6
Rosette Peach	5	Oyster Shell Scale	5
Brown Tail Moth	4	Gypsy Moth	3
Scurfy Scale	3	West Indian Peach Scale	2
Hairy Root Disease	2	Strawberry Root Louse	2
Anthraxnose	2	Root Gall	2
Cherry Scale	1	All Scale Insects	1
All Leaf Eaters	1	All Aphids	1
Apple Scab	1	Fire Blight of Apple	1
All Fungus Diseases	1	Imported Poplar Borers	1
Borers	1	Elm Scale	1
Cane Blight of Raspberry	1	Crown Borer of Strawberry	1
Little Peach	1	Leaf Curl	1
Blight	1	Orange Rust	1
Privet Anthracnose	1	Bitterrot	1
New Peach Scale	1	Mexican Cotton Boll Weevil	1

Three reported no specific list mentioned in law. Several others referred to printed matter, which we did not tabulate.

2d What treatment of nursery stock or premises are required when found infested with San José scale?

	No. of Answers
"Destruction of stock."	7
"All infested stock destroyed, balance fumigated."	6
"All stock required to be disinfected either by fumigating or dipping in lime and sulphur compound."	3
"Destruction of all stock if a large part is infested, if a small part is infested, the infested trees only destroyed."	1
"The destruction of badly infested stock, balance sprayed."	
"No power, but destruction advised."	1
"Destroy or fumigate."	2
"Fumigate."	1
"Certificate would be withheld."	1
"Destruction of stock and withholding of certificate."	1
"Permanent plantings sprayed."	3
"Permanent plantings destroyed or treated."	1
Total	27

3d Does certificate of fumigation require previous inspection and supplementary to it, or does it take the place of inspection?

	No. of Answers.
"Requires previous inspection."	3
"Requires previous inspection and freedom from scale."	1
"Previous inspection is always required and fumigation is then allowed only when infection is found to be slight."	1
"All stock must be inspected."	2
"Fumigation supplements inspection."	5
"Fumigation takes the place of inspection."	4
"Certificate of fumigation is sufficient."	1

"All stock must be fumigated."	1
"Would accept certificate of fumigation, although our law does not recognize certificate of fumigation."	1
"Law silent as to fumigation."	1
"Fumigation resorted to when inspection discloses same to be necessary."	2
Total	22

4th Have you, or do you exercise the right to order the destruction of nursery stock infested with San José scale, which can be successfully treated before maturity or time of sale?

	No. of Answers.
"Yes."	6
"Have the right to destroy infested stock."	3
"Have the right, but in some cases permitted treatment of infested stock and if found satisfactory on re-examination have passed it."	1
"Growing nursery stock not ready for market has in some instances been treated."	1
"Stock must be free from scale when presented for delivery."	1
"If they can be carried over and sprayed the trees can generally be used the following year."	1
"Would issue no certificate."	1
"Would withhold certificate."	1
"No, but can withhold certificate."	1
"Must disinfect infested stock."	1
"No power but advise destruction of stock."	1
"No such right."	3
"No, for the San José scale is easily controlled here."	1
Total	22

5th Have you, or do you exercise the right to order the destruction of nursery stock not infested with San José scale, but in close proximity to infested stock?

	No. of Answers.
"No."	9
"Yes."	3
"If slightly infested, no. If badly infested, yes."	2
"Have the right to destroy same."	2
"Would issue no certificate."	2
"Have the right but we have not ordered destruction of such stock."	1
"Do not exercise the right but may withhold certificate."	2
"Would order all nursery stock disinfected."	1
"All stock must be fumigated."	1
"Would order fumigation or dipping."	1
Total	24

6th Have you, or do you exercise the right to destroy permanent plantings of fruit and ornamental trees or shrubs on premises of nurserymen without privilege of treatment or before granting a certificate of inspection or fumigation?

	No. of Answers.
"No."	8
"Yes."	4
"No, but would withhold certificate."	2
"Would withhold certificate until scale is destroyed."	3
"Have the right to destroy the same."	1
"Have and exercise the right to withhold certificate until the same has been destroyed."	2
"Have the right but do not insist on destruction of stock unless same has no value."	2
"We require them to be sprayed."	1
"No, our law permits us to do so, but we only inspect the growing nursery stock, not the premises."	1
"We destroy no stock that can possibly be saved."	1
Total	22

Obituary.

DEATH OF JACOB MOORE.

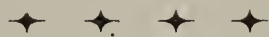
Jacob Moore, aged 72 years, died Tuesday, Feb. 18th, in Canandaigua, N. Y. He was a son of the late Isaac and Amy Bloss Moore, who were early settlers in that town. Jacob Moore devoted his whole life to the crossing and originating of various fruits. Among his better known productions were the Hooker Seedling strawberry, the Brighton and Diana Hamburg, and Moore's Diamond Grape; also many varieties of currants. At the time of his death some of his experiments were still incomplete.

Many years of his life were spent in petitioning Congress to pass a law protecting originators of fruit. His own labors in fruit originating were not financially successful. It seems that any man who gives his life or time to the originating of fruit must labor for humanity without reward. He was well known among nurserymen and horticulturists. He was the last of his father's family, his brother Major Caleb Moore, 8th New York Cavalry, and sheriff of Monroe County, having died many years ago from exposure during his service in the Civil War. The funeral was held at the Brighton Cemetery.

W. B. K. JOHNSON.

W. B. K. Johnson, of Allentown, Pa., one of the leading nurserymen of Pennsylvania, died January 22, aged 70 years. He made his fortune in the early 70's, when he made trips to Cuba and South America importing shiploads of parrots to the United States and selling them at great profit. He was an authority on fruit growing, and was long on the staff of both the Pennsylvania and National Agricultural Departments. In his large nurseries near Allentown, he had more than a million trees.

The Aurora Nursery Co., Aurora, Ill., has bought the tract of twenty acres on which the nursery is located and is remodeling the residence for the occupancy of J. A. Young, president of the company.



Do you know that we are the originators and sole manufacturers of the only real rawhide, waterproof paper tree labels? The particular kind of stock we use for the manufacture of these labels is especially prepared for our own use, being thoroughly waterproof, and especially adapted for outside use. We also make a specialty of furnishing the nurserymen with shipping tags from this same material. These tags and tree labels are superior to the wooden labels, as they will not break when crumpled and the names of the varieties will not wash off when subjected to damp weather. We would refer you to our advertisement carried in this paper. Write us for samples and prices for your requirements.

THE DENNEY TAG MFG. CO.,
West Chester, Pa.

ENID, Oklahoma, Jan. 25, 1908.

THE NATIONAL NURSERYMAN:

Since reading a number of letters from nurserymen of different parts of the country on the season of 1907, I have come to the conclusion that I am not the only one who has been guessing.

Going back to the early part of the season, will say that we had a very cool April and May here. Buds all started nicely but soon stopped growing, and for two long months it looked as though we would not have a decent peach, plum or apricot in the field. The foliage all looked like the rats had been using it. But when warm

weather came, every thing moved off nicely, and when the first frost came I had the nicest, cleanest lot of stock that I have ever grown. Every thing ripened up nicely, and apparently in perfect condition.

Sales were on the drag all summer, and about October 1st, it looked as though our fall packing would be light. Stock plentiful and sales light. But it did not stand that way long. It seemed that all my Agents made a special effort late in the season, and there was a pile of orders dropped in on us just at digging time. This together with increased demand in a wholesale way run our sales a little above the usual. All these late orders coming in a pile, and every fellow wanting his stock "at once" is what stared us in the face about October 20th. We had four good men and a boy who knew nursery work and could do something. The balance of the bunch from twenty to forty, didn't know an Apple tree from a Gooseberry bush, and knew no more about grades than a hog knows about a side saddle. With just such help we went through the season, winding up about December 10th. Stock considerably reduced, money all gone to pay freights and other expenses, and remittances coming in very slow. Looked pretty blue for a few days. But little checks are like small sticks, bind enough of them together and it makes a mighty strong bundle. So one by one the good people smiled on me with their checks until now it appears that the final yield will give us at least a fair collection. And summing it all up, the year, 1907, has not been so bad.

The demand was for a general line which did not break my assortment very badly, leaving me a pretty good line to begin with this spring.

The out-look for spring trade is good, and we expect a pretty general clean up.

Yours truly,
J. A. LOPEMAN.

Business Movements.

E. M. McMicken, of Woodville, Tex., is organizing a stock company to establish a nursery at Beaumont, Tex.

The Sneed Nursery and Orchard Co., of Tyler, Tex., has been incorporated, with \$43,000 authorized capital stock, by C. W. Wood, J. F. Sneed and Frank Brunton.

At the J. G. Harrison & Sons nursery at Berlin, Md., there has been an outbreak of spinal meningitis among the herd of mules, five having died and fourteen being very sick, according to the last report.

The bankrupt estate of Howard A. Chase, Philadelphia, late treasurer of the R. G. Chase Nursery Co., Geneva, N. Y., offers for sale 130 shares of stock in that company. The shares are now in the hands of Chester N. Farr, Jr., trustee, 415 Real Estate Trust Building, Philadelphia.

L. L. May & Co., St. Paul, are now occupying their new warehouse on Como Avenue. It gives them greatly enlarged facilities and they look forward to a banner business for 1908. The season is just opening in the northwest.

Fire that started in the boiler room of the Texas Nursery Co., Sherman, Tex., destroyed a portion of the greenhouses entailing a loss of \$1,000. No insurance.

The nurserymen of Ohio organized at Columbus on January 15, with officers as follows: President, J. W. McNary; vice-president, Robert George; secretary, W. B. Cole, Painesville; treasurer, W. N. Scarff.

NOTICE

As we are now in no way connected with the branch of our nursery which was located on Euclid Avenue, East Cleveland, we will hereafter be known as Ornamental Nurseries, Painesville, Ohio. Henry Kohankie & Son, Proprietors, formerly Euclid Ave. Nursery Co. Please make the change on your mailing list.

Important Change in Regulations

BATON ROUGE, La., Feb. 7, 1908.

EDITOR NATIONAL NURSERYMAN:

Your attention is respectfully called to the following: CHANGES IN THE REGULATIONS OF THE STATE CROP PEST COMMISSION OF LOUISIANA, made at its meeting at Baton Rouge, La., Feb. 4., 1908, effective at once.

BOLL WEEVIL QUARANTINE RESCINDED.

All Regulations of the Commission, heretofore in force, relative to the shipment of seed-cotton, cotton seed and cotton seed hulls from one part of Louisiana to another or from other states into Louisiana, are repealed; provided, however, that the quarantine may be re-established for any non-infested parish upon the request of its Police Jury.

Act No. 6 of the Extra Session of 1903 prohibits all persons having in their possession live boll weevils in any stage. This law is still in force, and its violation is punishable by fine or imprisonment.

WHITE FLY REGULATION.

The following regulation relative to the defoliation of citrus stock has been repealed:

"All orange, lemon, lime, sweet lime, kumquat, tangerine and grape fruit trees or plants sold or shipped within this State, or delivered within this State when shipped from another State or country, shall be completely defoliated. Shipments of such trees or plants not so defoliated, and intended for delivery within this State, when found in possession of any common carrier, corporation, firm, person or agent, or when found exposed or offered for sale within this State, shall be subject to confiscation by the entomologist or his assistants or inspectors."

However, the white fly is still retained upon the list of "dangerously injurious" insects, and where nursery stock is found infested with this pest, proper measures of disinfection will be required by the Commission.

Very truly yours,
WILMON NEWELL, Secretary.

GETS THE GOLD MEDAL.

Messrs. T. W. Wood & Son, the well-known seedsmen of Richmond, Va., were awarded the gold medal at the recent Jamestown Exposition, for their excellent exhibit of fine seeds. Wood's seeds are favorably known everywhere and this prize won by them adds another strong testimony as to the quality of the seeds, which this reputable firm sells to its customers.

NORTH COLLINS, N. Y., February 7, 1908.

EDITOR NATIONAL NURSERYMAN:

In regard to change in name of firm, I wish to say the writer feels that with the increasing years and large and constant increase in the business he was entitled to help of some younger man with a financial interest in the business. The young man (28), whom I have associated with me has been a successful business man in other lines and we feel sure the change will contribute to the good of all our customers.

I wish to extend thanks to all my customers for the many favors received and to ask in the name of the new firm a continuation of the same.

WILLETT & WHELOCK,
(Per EUGENE WILLETT.)

NEW ROSE GROWING PLANT.

Word comes from Springfield, O., that Charles C. Leedle, president of the Leedle Floral Co., together with Charles P. Brunner, Henry J. Roth, Mark M. Livingston and James Sager, have filed articles of incorporation at Columbus for the formation of the Leedle Rosary Co.

Early in the spring the company will erect a large range of glass near the establishment of the Leedle Floral Co., which will be devoted entirely to growing roses for cut flowers. The plant will be modern in every particular. Mr. Leedle will give his attention to both companies. His son, Arthur C. Leedle, will be active in the management of the new company. Mr. Leedle is a thorough business man, and judging from the success of the Leedle Floral Co., in growing and shipping rose plants, the new company will meet with success in growing roses for cut flowers.

THOMPSON CLARKE MAXWELL, NURSERYMAN, DIES.

GENEVA, Feb. 3.—This noon, at the family residence, occurred the death of Thompson Clarke Maxwell, one of Geneva's most highly respected and prominent citizens. He was one of the most widely known nurserymen and fruit growers in this section of the state.

Mr. Maxwell was born in Tully, Onondaga county, in 1822. In 1846, he started a small nursery in Dansville, but two years after moved to this city, where he purchased a half interest in a farm of six and one-half acres a few miles west of the Experimental Station. From this Mr. Maxwell's business grew rapidly.

In 1852, Mr. Maxwell's brother, Henry E. Maxwell, came to Geneva, and, later, his brother, Joshua I. Maxwell, came and entered into a partnership under the name of T. C. Maxwell & Brothers. This was the first wholesale nursery in Geneva, and was continued until 1888, when the business was changed to fruit growing. Mr. Maxwell was also largely interested in the breeding of Holstein cattle. About 1872, this entire business was wiped out by a fire.

Besides being prominent as a nurseryman and fruit grower, the deceased was active in the church. He was formerly a trustee of the First Presbyterian Church, and was associated with James O. Sheldon and Robert J. Swan in purchasing the first parsonage for that church. He was largely instrumental in the founding of the North Presbyterian Church, and acted as a member of the building Committee. He has been an elder in that church since its formation. In the Y. M. C. A. he was also interested, and was a member of the Building Committee of that institution and the treasurer.

Since the formation of the Glenwood Cemetery Commission, Mr. Maxwell has been a member, and he was at one time the president. It was largely through his efforts and the other members of that commission that Glenwood Cemetery has been made such a beautiful spot. Mr. Maxwell was also president of the Board of Trustees of the City Hospital. He was a life member of the Western New York Horticultural Society.

Besides his wife, the deceased leaves two daughters, Mrs. Charles K. Scoon and Mrs. Henry A. Wheat, both of this city, and one brother, Joshua I. Maxwell, also of Geneva. The funeral will take place Thursday afternoon at 2:30 o'clock from the residence.

Winfried Roelker of the firm of August Roelker, 31 Barclay St., New York, called on a few of his customers the first week in February.

I am enclosing my check for \$1.00 in payment for the NATIONAL NURSERYMAN for 1908. I have always found the journal to be full of interesting information and the few advertisements I have inserted have always brought inquiries.

Yours truly,
R. R. HARRIS.

See R. Warnock & Co.'s advertisement in another column. We have examined their booklet. Their inducements are of the highest order.

EXHIBITION ROOM FOR CONVENTION.

Thomas B. Meehan, Chairman of the Exhibition Committee of the American Association of Nurserymen, has just returned from Milwaukee, where he concluded arrangements for the exhibition room to be used during the Convention. In company with Mr. Ferguson, Chairman of the Local Committee on Arrangements, he inspected the rooms offered by the management of the Plankinton Hotel, the headquarters of the Association. The Exhibition Committee will have the use of two large rooms on the second floor, where the lighter exhibits will be placed. The heavy exhibits will be installed in a vacant store on the ground floor of the Hotel.

The Exhibition Committee are now getting in shape to solicit exhibits for the Convention, and will shortly send out the necessary application blanks together with other information. Intending exhibitors should at once communicate with the Chairman of the Committee, Thomas B. Meehan, Dreshertown, Pa., and advise him of what they propose to exhibit. It is the hope of the Committee, that the exhibition this year, may be even greater and more interesting than last year.

SHALL WE DIP OR FUMIGATE?

This is a question of deep interest to all nurserymen at this time and a few words on the subject will not be out of place.

Most of our states require fumigation certificates with all nursery stock brought into the state, yet every nurseryman knows that a little carelessness on the part of an employee during the rush of getting out his orders, will result disastrously to the stock; sometimes killing it most effectively or resulting in weakling trees that take years to recover, if they recover at all. If it is not a financial loss to the nurserymen he certainly loses in reputation. Is not a law unjust that requires the jeopardising of this stock which you have so carefully nurtured and grown?

Many have tried dipping in the lime sulphur wash, but with only moderate results against the scale and often to the injury of many buds and tender twigs; but care must always be exercised not to touch the roots, consequently with no affect on the wooly aphis.

For the past few years many private experiments have been made in dipping nursery stock in the new soluble or miscible oils, and lately many of the experiment sations have taken up this with most gratifying results.

One of the first to try dipping in soluble oil was Mr. Charles Black of Highstown, one of the best known nurserymen in New Jersey. He reports having dipped many thousand trees, from the dormant buds in October to the trees almost bursting into leaf in spring, with no apparent injury. The H. J. Webber Nursery Co., of Nursery, Mo., have carried on some very extensive experiments on this line completely exterminating every appearance of scale. The Connecticut Experiment Station in the inspection of nursery stock give the option of either fumigating or dipping in soluble oil. The New York Experiment Station at a recent Horticultural Meeting reported most satisfactory work dipping in this same soluble oil. Mr. J. H. Hale of South Glastonbury, Conn., stated before the Connecticut Pomological Society at Hartford last week, that he did not want nursery stock for his own planting fumigated no matter if it did have scale, provided it was otherwise healthy, as he could take care of it by dipping with less danger to the health and vigor of the tree.

So it seems plain to the observant mind that this difficulty of the nurserymen is soon to pass away. The process is simplicity itself. For small stock a barrel with the head taken out will answer very nicely; put in 45 gallons of water and add 2 1/2 to 3 gallons of scalecide. First dip the tops and then the roots, shaking well for a few moments to insure against air bubbles or little clots of dirt. If the stock is larger a vat or trough in which the whole tree can be completely submerged, root and all, using the same precaution against air bubbles and dirt. Do not pack too closely until they have had time to drain and dry. Scions and buds may be treated the same way; allow to dry perfectly before using.

If the work has been thoroughly done you may rest assured that your trees will be as free from all soft bodied sucking insects, such as scales, aphis, leaf miners, etc., as well as from all fungus troubles; as it is possible by any known method and the health and vigor of your trees not only preserved but increased, as experience shows a marked stimulating effect from the use of Scalecide.

While what I say will in part apply to some soluble oil it must not be understood to apply to all, and only applies fully to scalecide. This is a point that cannot be too strongly emphasized and I am glad to note that one of the New York Bulletins mentioned this fact almost a year ago, and is becoming more and more important every day; and I believe our Horticultural Press should be more careful about designating the particular make of soluble or miscible oil, wherever it is possible to do so, otherwise a report may be of little or no value whatever to their readers.

When I say that Scalecide not only contains the good qualities of all other soluble oils but properties that none of the others do contain, I mean just what I say and actual experience and chemical analysis show it. We have never before abused the confidence of the public and certainly would not do so now.

B. G. PRATT.

National Nurseryman Publishing Co.,
City.

Gentlemen:

As Chairman of the Legislative Committee of the American Association of Nurserymen, I am pleased to report that a decision has been rendered in the matter of the nurserymen's law of the State of South Dakota, by the Supreme Court of that state. This decision in the main is favorable to the nursery interests, although the Court, did not declare the entire Act unconstitutional, and did not touch on certain sections of the Act.

The test came before the Court in this manner.—It was arranged that a salesman representing an Iowa nurseryman was to take orders for nursery stock in South Dakota, regardless of the fact that his employer had not filed the entomologist's certificate, or taken out a license, and had not observed any of the provisions of the law. The agent was arrested for violation of the law, and application was made to the Supreme Court for his discharge on habeas corpus. This action simply brought into question such provisions of the law as had been violated by the agent and his principal, viz.—the requirement for the filing of the entomologist's certificate, the procuring of a permit and the requirement for payment of a license fee. Consequently these were the only provisions of the law as to which the Court was called upon to render judgment, although they did go a step further in consideration of part of Section 2.

Section 1 of the law provides. "That any nurseryman, resident or non-resident, who desires to sell nursery stock in South Dakota either directly or by salesmen, shall first secure a Permit from the Board of Agriculture to do business in the state, and as conditions precedent to the issuance of such Permit the Board of Agriculture shall require a Certificate of Inspection from a competent entomologist, and further, such references and evidences of integrity as may seem to be necessary to establish the responsibility and good faith of the applicant. The Board of Agriculture shall require a continuing bond in the sum of five thousand dollars (\$5000) on which any person who sustains damage by reason of the violations of the provisions of this Act may recover."

Section 2 provides "Any agent who sells nursery stock in the State of South Dakota shall be required to carry a letter or certificate from his principal, setting forth the fact that he is duly authorized to represent such nursery, and that a guarantee is made that any written contract entered into by him as agent, will be fulfilled if the same is accepted by said nursery, unless notification to the contrary be made in writing to the purchaser within thirty days after such order or contract is made. In addition to the foregoing, each agent who sells nursery stock that may have been grown in any other state or territory, shall be required to procure and carry a duplicate of the Permit issued to his principal."

Section 3 provides "It shall be unlawful to misrepresent nursery stock, to refuse to state where the same was propagated, or the manner of propagation, or to sell nursery stock which is untrue to name, or which is unsuitable for the climate, or to sell adulterated seed, etc."

Section 4 provides penalties.

Section 5 requires the collection annually of a fee of ten dollars (\$10.00) for each permit, and two dollars and fifty cents (\$2.50) for each agent's duplicate.

The decision of the Court in substance is—that Section 1 is valid so far as relates to the filing of Certificate of Inspection, and the requirement of a Permit to do business, *but that the requirements of a bond, and references as to responsibility and integrity are invalid*, and as to Section 2, that the last paragraph which provides that every agent representing a nursery located in another state shall be required to carry a duplicate of the Permit issued to his principal is invalid, because a discrimination is made against the citizens of other states and in favor of the citizens of South Dakota, but the first paragraph of Section 2 is not covered by the decision.

Section 3 is not covered by the decision.

Section 4 is not covered by the decision.

Section 5 is declared valid so far as it relates to the license fee of ten dollars (\$10.00) for the principal, but under the decision as relating to Section 2, the requirement of a fee for the agent's duplicate permit is invalid.

As the case stands now, the State of South Dakota wins the suit, for the reason that the application of the prisoner for discharge was denied, consequently the State of South Dakota cannot appeal the case. The decision in the main is in favor of the nurserymen, and it is the judgment of our counsel that we should not appeal the case. The main point not covered by the decision is the requirement of Section 2 that each agent shall carry a certificate from the principal (to which alone probably no one would object) and that the principal shall be bound by the acts of the agent unless he notifies the customer within thirty days from the making of the contract. The latter is a bad provision, but could not be reached on an appeal in the present case, and could only be taken up through a new case, after some agent or principal had violated that section of the law.

Our counsel however, feels that this section is so plainly unconstitutional as interfering with the right of contract, that no attempt is likely to be made toward its enforcement and advises that we file entomologist's certificate, tender the license fee of ten dollars (\$10.00) and demand a Permit, and do our business as we do it elsewhere, paying no attention to the other sections of the law, except to give our agents such certificate of appointment as many of us do in the ordinary course of business.

Yours truly,
WM. PITMAN.

AMERICAN NURSERY COMPANY.

The American Nursery Company has acquired all the real estate, property, business and good will of the well-known F. & F. Nurseries Springfield, N. J., The Bloodgood Nurseries, Flushing, L. I., established 1790, Frederick W. Kelsey, New York City, and the New Jersey and Long Island Nurseries. These old established and successful concerns will hereafter be conducted as Branches of the Company under the same local management as heretofore. The Company with its extended Nurseries and complete assortments has now the largest facilities of any establishment in this country. With these advantages of economic production, of central location, and of unequalled facilities for distribution, and extended direct importations of Specimen Trees, Bay Trees, Boxwood, Trained Fruit Trees, etc., the Company is in position to furnish all varieties of fine hardy planting material in wholesale or retail quantities on the most favorable terms. Every requisite for the complete planting and decoration of Country Estates, Parks, Municipal Street Planting, Forestry Departments, Orchards, Lawns and Gardens, is thus available. Every effort will be made to insure the patrons of the former establishments the advantages these enlarged facilities provide. With hundreds of acres of well grown stock now ready for planting, new customers may be assured of liberal treatment. Inspection is invited: Also consultations regarding planting sketches; or estimates for plans and planting complete.

The officers of the Company are: Fred'k. W. Kelsey, president; William Flemer, vice-president and treasurer; Theodore Foulk, vice-president; P. H. Goodsell, secretary.

AN INTERESTING TEST OF SPRAYING NOZZLES.

CORNELL UNIVERSITY,

ITHACA, N. Y. Feb. 21, '08.

Farmers' Week has been observed here at the Department of Agriculture in their new magnificent buildings. Yesterday much time was devoted to the study of Spraying Outfits and their appliances. All of the leading manufacturers were represented. Prof. C. S. Wilson, Assistant Director, called for a test of the various Spray Nozzles, Prof. Riley, Director of Farm Mechanic, conducting same.

The various makes of Nozzles, one at a time, were connected to a Power Sprayer, the pressure at 105 to 110 lbs. The operator would hold the Nozzle up where all could see it, making the quality of the spray visible to all; then the Nozzle was held over a pail which had been balanced on the scales. At the word of Mr. Riley, who held the watch, the pressure was turned onto the Nozzle; the time given was one minute. The Nozzles tested were of the leading makes. The first one tested discharged 6¾ lbs. It was a Gould "Mystery"; Brown's Nozzle next, 7¾ lbs.; Simplex next, 10½ lbs. The "Friend", the only one marked "patented" which is the original of these large Nozzles, doing away with the cluster, came next, discharging 11¾ lbs. While this Nozzle handled nearly double the solution which the first one mentioned did, still the finest spray was noticeable. It was also noticed that it drove the fine spray farther with much more force.

Much study and experimental work has been going on for years in order to obtain one Nozzle of sufficient capacity to do away entirely with the cluster. One pleasing noticeable feature about the "Friend," was that there was no dripping or clogging. One of the other Nozzles drizzled badly. The last one tested was free from all sensitive, internal, movable parts, which are always subject to dislocation or becoming unmovable by corrosion. This carefully directed test indicates conclusively that the "Friend" came nearest to the requirement. It is manufactured by "The Friend" Mfg. Co., Gasport, N. Y. It sells for \$1.55, postpaid. This Company is composed of young, live, clean blood, and is setting a lively pace for competitors in the manufacture of Spraying Outfits and their accessories.

AUGUSTA, Ga., Jan. 15th, 1908.

EDITOR NATIONAL NURSERYMAN:

We are up to our necks with work, have had all manner of vexatious delays. First, we were without rain in the early fall, and the ground got as hard as cement; in early November it started to rain and it is still at it. In addition to these two drawbacks we have been very short of labor. The negroes are becoming more worthless every day. As soon as they get a little money ahead they positively refuse to work. Now we are getting independent of the negro, a month since we got a bunch of Austrians; they are taking kindly to the nursery work and are giving us most satisfactory results. The entire gang in the past four weeks have not lost a single day from work. They report promptly at roll-call and are ready for work immediately as soon as the roll is called.

In February, we will get another gang of these Austrians and we hope hereafter to have no more shortage of help. Every nursery in the South, so far as we can learn have had troubles similar to ours this year.

Notwithstanding the stringency of the money market the outlook for spring business with us is very encouraging.

From some sections of the country which suffered from the money market we have received a few countermands.

The demand for landscape work in the South is largely on the increase and we are having all the work in that line which we can now handle.

With kindest regards and best wishes, we are,

Yours very truly,

P. J. BERCKMANS Co.

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

Established 1874

Capital and Surplus \$100,000.00

In the Heart of the Great Southwest

Our long growing season gives wonderful development, our shipping season great advantages.

Largest and best assorted stock in the South.

Teas Weeping Mulberry, Bungeii Catalpa, Roses, etc., in large supply and best values.

Our Trade List on application. Orders booked now for Fall or Spring delivery. Car lots a specialty.

Address, Texas Nursery Company

Sherman, Texas.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees, Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seedlings, including Catalpa Speciosa. Small Shrubs for transplanting. Special prices quoted on Snowballs, Spirea Van Houttii, Revesii, and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft. Write for prices.

THE DONALDSON COMPANY,

WARSAW, KENTUCKY.

THE WINFIELD NURSERY CO.

Surplus and Want List No. 2, for Spring, 1908 JUST ISSUED

See that you get one. If not in your hand write us. Special Low Prices on first-class stock in storage ready for shipment

MAHALEB STOCKS—HOME GROWN

Mahaleb, 5 to 8 mm, 100,000. Mahaleb, 4 to 5 mm, 32,000. Mahaleb 8 to 10 mm, 35,000.

MAHALEB IMPORTED STOCKS

Mahaleb, 5 to 8 mm, 70,000. Mahaleb, 4 to 6 mm, 80,000.

PEAR STOCKS—FRENCH IMPORTED

Pears (branched) No. 1, 5 to 7 mm, 10,000. Pears (branched) Extra, 6 to 10 mm, 25,000.

ANGER QUINCE—IMPORTED

Quince, No. 1, 5 to 7 mm, 18,000.

MYRABOLAN STOCKS

Myrabolan, 4 to 5 mm, 2,500.

APPLE SEEDLINGS

Apple (branched) No. 1, 3-16, 10,000. Apple (straight) No. 2, 2-16, 100,000.

FOREST TREE SEEDLINGS

Ash, Am. White, 6 to 12 inches, 2,000. Ash, Am. White, 12 to 18 inches, 1,000. Black Locust, 3 to 4 feet, 50,000. Black Locust, 2 to 3 feet, 80,000. Black Locust, 18 to 24 inches, 150,000. Black Locust, 12 to 18 inches, 50,000. Russian Mulberry, 6 to 12 inches, 40,000. Catalpa, Speciosa, 6 to 8 inches, 30,000. Catalpa, Speciosa, 4 to 6 inches, 40,000. Elm, Am. White, 6 to 12 inches, 35,000. Elm, Am. White, 12 to 18 inches, 10,000. Box Elder, 6 to 12 inches, 10,000.

Good assortment of first-class Apple, Peach, Plum, Cherry, Etc. **FINE SHADE TREES.**

The Winfield Nursery Co.

WINFIELD, KANS.

TWO HUNDRED ACRES FIELD GROWN ROSES

Own Root—Leading Varieties

SHRUBS, JAPANESE IRIS, PAEONIES

In Thousand or Car Lots

THE UNITED STATES NURSERY CO.

RICH, MISS.

SPRAY WITH SCALECIDE
IT HAS NO SUPERIOR

"Scalecide" is the only oil spray that is a combined fungicide and insecticide, controlling peach curl brown, rot, etc., while positively destroying San Jose Scale and all soft-bodied sucking insects without injury to the tree or fruit bud.

The Philadelphia Farm Journal for Nov., page 442, says that Lime-Sulphur is practically a failure in most instances and advises us to use of "SCALECIDE" as better and easier to apply.

Prof. John B. Smith of the New Jersey Experiment station in the 1906 report, page 590, says: "It is almost impossible to injure a dormant tree with 'SCALECIDE' diluted in any reasonable way and successive applications do not produce a cumulative effect because no residue remains to accumulate."

Mr. C. M. Porter of Marshallville, Texas, on September 23rd, 1907, writes: "SCALECIDE" is far superior to anything in use. It has almost completely exterminated the scale. Everything considered it is the cheapest.

You will say the same after giving "SCALECIDE" a fair trial.

DO NOT DELAY SPRAYING

Insect enemies are constantly at work and your trees may be ruined beyond recovery by delay. Order a barrel now. 50 gallons at \$25.00 makes from 800 to 1,000 gallons of spray costing 2 1/2c to 3c per gallon anywhere east of the Mississippi and north of the Ohio Rivers. Smaller packages if desired. Drop us a postal card mentioning this paper and we will send you free sample and full information. Ask for Booklet B.

B. G. PRATT COMPANY,

Mfg. Chemists, 11 Broadway, N. Y. City

When writing to Advertisers mention The National Nurseryman.



HEIKES'-- HUNTSVILLE --TREES
HUNTSVILLE
 Wholesale Nurseries
 HUNTSVILLE, ALA.

We offer for Spring of 1908, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock of two years old for the Fall of 1905 and Spring of 1906 counted up 250,000, and all were sold. Our stock for the coming season will exceed that of last, and our prices will be reasonable.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Alamo, Bartlett, Smith's Garber, Duchess d'Angoleme, Seckel, Flemish Beauty, Kieffer, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

WORLD'S FAIR—We were awarded a Grand Prize, a Gold Medal and a Silver Medal on our exhibits at the World's Fair, St. Louis.

Address, W. F. HEIKES, Manager,
 HUNTSVILLE, ALA.

Mount Arbor Nurseries

E. S. WELCH, Prop.

136 Center St., SHENANDOAH, IOWA

A Surplus of
PLUM—Native on Native roots.

APPLE AND CRAB—all grades, over 100 varieties.

CHERRIES—Sweet and Sour sorts.

BLACKBERRIES—leading kinds, root cutting plants.

SPIREA VAN HOUTTE, 2 to 3 and 3 to 4 feet.

CRIMSON RAMBLER XX, No. 1, No. 1½, No. 2.

OSAGE ORANGE
CATALPA AND HONEY
LOCUST SEEDLINGS

One of the
MOST
COMPLETE
ASSORTMENTS

of General Nursery Stock in the country.

Our equipment and facilities are unsurpassed.

Ask for Spring Trade List, now ready.

Correspondence and inspection invited.

APPLE SEEDLINGS

FRUIT TREE STOCKS OF ALL KINDS

Grafts Made to Order

Nebraska Grown

AMERICAN PLUM, EUROPEAN PLUM,
 APPLE, PEAR, PEACH AND CHERRY
 TREES. :: :: :: :: :: :: :: ::

Large Stock of Shade and Ornamental Trees, Snowball; Syringa Spirea, Deutzia, etc. Forest Tree Seedlings well graded and prices right. :: :: ::

Send list of wants to

YOUNGERS & CO.

GENEVA, NEBR.

When writing to Advertisers mention The National Nurseryman.

COMPARE

Goulds Sprayers

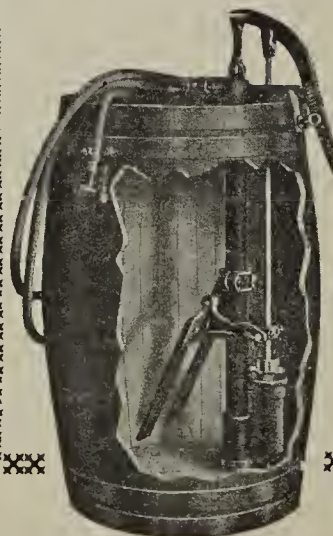
with others — notice the difference in weight, the seamless Brass Cylinders and large Air Chambers—the ease with which all working parts can be reached, and you will be convinced that they are superior to any.



Every Nurseryman and Florist

SHOULD HAVE A COPY
 OF OUR NEW BOOK

"How to Spray—When to Spray
 and What Sprayers to Use."



It contains many formulas for preparing spray mixtures—when to apply them—and describes our complete line of Hand and Power Sprayers. Sent free on application.

The Goulds Mfg. Co.

Seneca Falls, N. Y.

New York, 16 Murray Street

When writing to Advertisers mention The National Nurseryman.

GRAPE VINES

All Grades.

How do you know my prices unless you ask? What is there here that you want?

Light grades for transplanting. Grape Cuttings—Concords, Moore's Early, Niagara and Worden.

Concord	Brighton	Niagara	Clinton	Pocklington
Catawba	Ives	Worden	Champion	Delaware
	Moore's Early	Martha		

Grades and quality as good as the best. Let me quote you.

F. E. Schifferli, Fredonia, N. Y.

Climbing Roses One and Two Year Plants, also a fine Stock of Clematis in three grades of the following Varieties: JACK, HENRYII, and EDWARDS ANDRE.

Get my prices.

P. W. Butler, EAST PENFIELD, NEW YORK

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees, Seeds.

Specialties: Black and Honey Locust, Mulberry, Myrobolans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.

Correspondence Solicited.

Catalogue and Prices Free on Application.

ESTABLISHED 1868

F. W. MENERAY CRESCENT NURSERY CO.

Council Bluffs, Iowa

INCORPORATED

Large stock of Apple and Crab for Spring 1908, also Cherry, Plum, Pear, Gooseberry, Deciduous Trees and Ornamental Shrubs.

Write for prices on one or more cars of Apple.

Large growers of Pæonies, 90 Varieties.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

THE NEW HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)

Grown especially for the Nurserymen's Retail Trade.

Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

ESTABLISHED 1859

PEACH SEED

We have yet on hand several hundred bushels of choice Peach Seed, all crop of 1907, which we offer at liberal prices and terms for immediate delivery, or for spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

WOOD LABELS FOR NURSERYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.

SOUTH CANAL STREET,

DAYTON, O.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

SURPLUS CAROLINA POPLAR

2 to 3 feet; 3 to 4 feet and 4 to 5 feet.

Write for special prices.

Special attention to dealers, complete list.

INTERNATIONAL NURSERIES
DENVER, COLO.

250,000 Amoor River Privet

Ligustrum Amurense.

Ours is the true variety, 2 1/2 to 3 feet, strong field grown plants. Also a large stock of California Privet, 2 1/2 to 3 ft.

PETER'S NURSERY COMPANY

KNOXVILLE, TENNESSEE.

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK.

PRICE \$16.00.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch nursery in Monticello, Florida.

H. M. SIMPSON & SONS,

Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.

PEACH TREES

Our stock is the finest we have grown in the last 25 years, a large proportion 6 ft. and up and 5 to 6 ft. grades—nothing finer for retail trade. We have all the leading commercial sorts including a heavy stock of Elberta; also a large well assorted stock of **CHERRY**, handsome, well rooted, 1-yr. and 2-yr. **APPLE**, 1-yr. and 2-yr., **PEAR**—St'd. and Dwarf, **PLUM**, **APRICOT**, **QUINCE**, **GRAPE**, **SMALL FRUITS**, **SEEDLINGS**, **SCIONS**, **ROOT GRAFTS**, **ORNAMENTAL TREES**, **SHRUBS** and **CLIMBERS**, **ROSES**, etc.

CAROLINA POPLAR in car loads—we can ship direct from Louisiana, Mo., Dansville, N. Y., Rockport, Ill., or Farmington, Ark.

Trade List for Spring now ready; send for it, or send us your want list for quotations.

STARK BRO'S NURSERIES & ORCHARDS CO

Louisiana, Missouri

Framingham NURSERIES

We have a surplus of a few thousand each of the following varieties :

Acer tartaricum, var. *ginnala*, 5 to 6 ft. and 6 to 7 ft.

Crataegus crus galli, 7 to 8 ft.

Syringa japonica, 6 to 8 ft.

Hamamelis virginica, 3 to 4½ ft.

Lonicera morrowii, 1½ to 2 ft.

Rhamnus catharticus, Buckthorn 3 to 4 ft., 4 to 5 ft., and 5 to 6 ft.

Rosa setigera, 3 to 4 ft. and 4 to 5 ft.

Stephanandra flexuosa, 1½-2 ft. bushy plants.

Viburnum dentatum, 4 to 5 ft. and 5 to 6 ft.

Viburnum opulus, (High Bush Cranberry) 3 to 4 ft. and 4 to 5 ft.

Also a general line of first class ornamental stock. Write for Wholesale list and special prices on lots of five hundred or more.

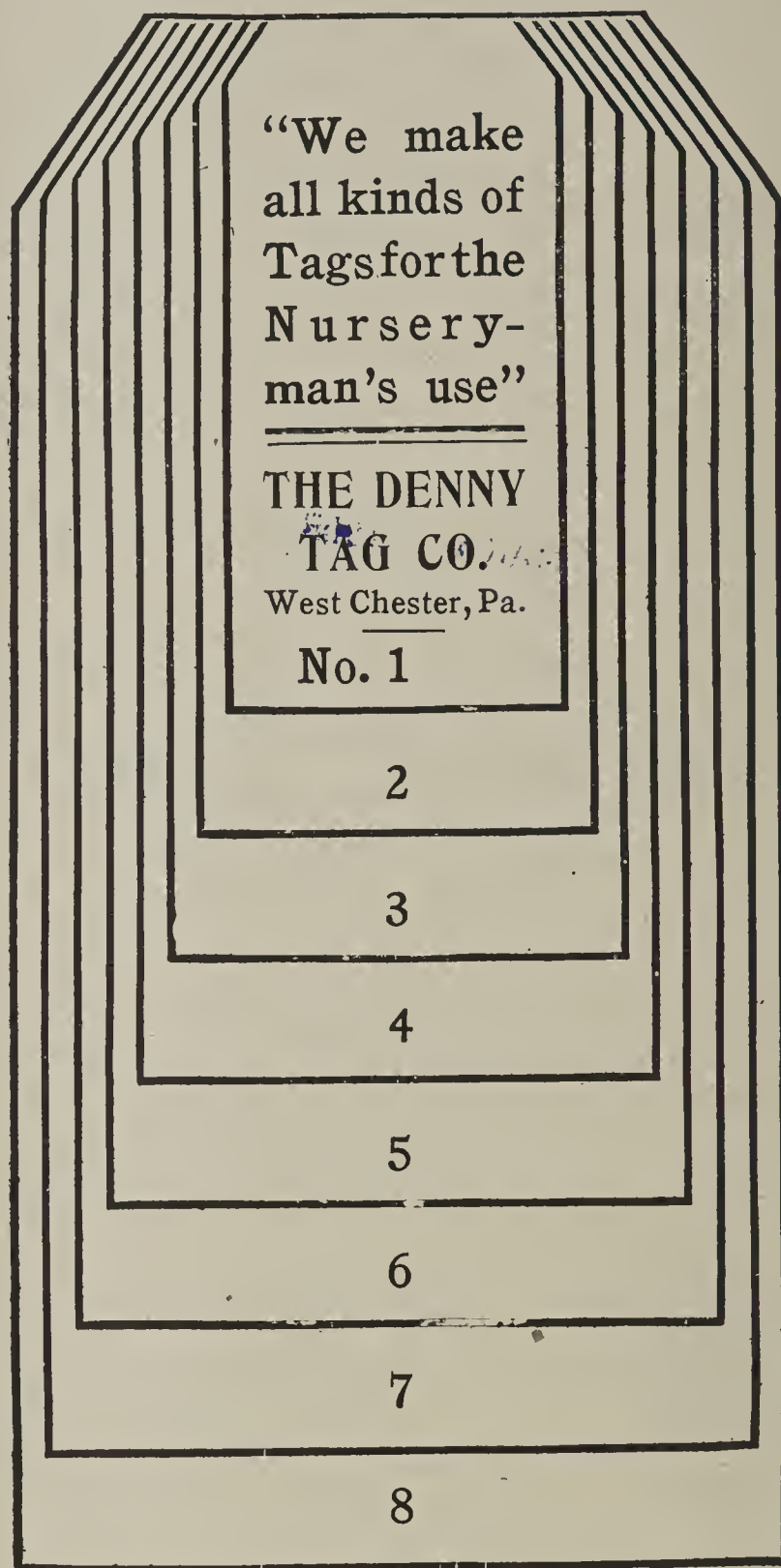
Framingham Nurseries
SOUTH FRAMINGHAM, MASS.

When writing to Advertisers mention The National Nurseryman.

"Our specialty is the manufacture of both

Plain and Printed Shipping Tags FOR THE NURSERYMEN

Send for samples and prices on our waterproof rawhide brand. They are thoroughly waterproof."



The Largest Stock of For Fall, 1908

CURRENTS and GOOSEBERRIES Standards,

Worked on strong and straight *Ribes aureum* stems, you find in

B. MULLERKLEIN'S Nurseries
KARLSTADT (Bavaria-Germany.)

Please ask for prices.

When writing to Advertisers mention The National Nurseryman.

WILLIS NURSERIES

Ottawa, Kansas

Offers for the Spring of 1908 a general assortment of Nursery Stock.

An especially fine lot of

ROSES

in all the leading kinds

Black Locust and Osage Orange Hedge in all grades.

Stock is in storage and shipment can be made promptly.

Let us price your list of wants for Spring.

The Des Moines Nursery Co.

Offers to the trade the following surplus stock for early spring shipment.—Same is in cellar and can be shipped when desired.

APPLES first grade only

Principally hardy sorts, Wealthy, N. W. Greening, Duchess, Wolf River, Mann, Whitney, Walbridge, Iowa Blush, Talman Sweet, Etc.

Compass Cherry, 1 yr., 4 to 5 ft. Carolina Poplar, 6 to 8 ft., 10 to 12 ft., and 12 to 15 ft. European and Japan Plums, $\frac{3}{4}$ No. 1. 1000 Marianna, $\frac{3}{4}$ and up.

Send us your want list

Des Moines Nursery Co.,

Des Moines, Iowa.

THE QUALITY STOCK

PEACHES : : : : General assortment. No. 1, 2 and 3 grades.

ORNAMENTALS Elms, Maples, Mt. Ash, Weeping Mulberry, Oaks, Etc., Etc.

SHRUBS : : : : Althea, Berberry, Deutzia, Honeysuckle, Hydrangea, Lilac, Sambucus, Snowball, Spirea, Weigelia, Etc., Etc.

ROSES : : : : : General assortment. No. 1 and 2 grades.

PERENNIALS : : Achillea, Aquilegia, Dahlia, Day Lily, Eulalia, Garden Pink, Iris Japan, Monarda, Paeonia, Phlox, Etc., Etc.

ASK FOR OUR WHOLESALE LIST AND PRICES

CHASE BROTHERS COMPANY

ROCHESTER, N. Y.

FOR SALE

350 Carolina Poplar, 6 to 8 ft.; 350 Catalpa, 6 to 8 and 8 to 10 ft.; 2000 Soft Maple, 6 to 8 ft.; 300 Soft Maple, 10 to 12 ft., 2 to 3 in. caliper; 200 Norway Spruce, 2 to 4 ft., twice transplanted; 50,000 Senator Dunlap Strawberry Plants.

C. H. WEBSTER, Centralia, Ill.

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

EUONYMUS

Radicans 1—1 1-2 ft. and 2—2 1-2 ft.

ATTRACTIVE PRICES.

Brae-Burn Nursery - West Newton, Mass.

WE HAVE THEM

IN LARGE SUPPLY

Apple Plum Peach

Leading sorts, 15,000 Elberta alone. Right prices will be quoted on this stock, and on a general line of Nursery stock.

Address, A. C. Griesa.

MOUNT HOPE NURSERIES

LAWRENCE, KANSAS.

Forest Trees

Seedlings and Transpl., very cheap.

Millions of Alder, Maple, Sycamore, Birch, Beech, Hornbeam, Hazel, Common Ash, American Ash, Black Walnut, Privet, Canadian Poplar, Black Cherry, Common Oak, Red Oak, Pin Oak, Acacia, Sweet Briar, Limes, Thorn Quicks, Elm, Red Cedar, Abies, Arizonica, Silver Fir, Spruce Fir, Blue Spruce, Sitka Spruce, Bank's Pine, White Pine, Scotch Fir, American Arbor Vitae, Europ and Japan Larch, Douglas Fir, etc., etc.

Apple and Pear Stocks, Briars, and other Stocks, ready for grafting. Transplanting, a specialty. All from sandy soil with excellent roots. Special prices for larger quantities. Best shipping facilities, via Hamburg, at lowest freight. Catalogues free. The largest nurseries in Germany. Shipments of 150 millions plants annually.

Halstenbek, Germany, is the centre of vast nursery interests in Europe, which supply immense quantities of Forest Trees and other Nursery Stocks.

J. HEINS' SONS,

Halstenbek No. 26, nr. Hamburg (Germany)

THE CURETON NURSERIES

AUSTELL, GA.

OFFER FOR WINTER SHIPMENT.

3 yr. Pecan, 1 and 2 yr. English and Black Walnut Trees. Year old and June Bud Peach, 1 and 2 yr. Apple, Pear, Plum, Cherry, Quince, Hicks Mulberry, Brown Turkey Fig, Grapevines, Carolina Poplar, Catalpa, Box Elder, Am. Linden, Magnolia Grandiflora, Forest Trees, Amoor River Privet, Roses, Spruce, Arborvitaes, Pines, &c., &c. I also offer a few bushels of PEACH SEED, CAR. POPLAR and AMOOR RIVER PRIVET CUTTINGS.

Everything fine, clean and healthy. Satisfaction guaranteed.

JAMES CURETON, Proprietor.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP 1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

Grafted Pecan Trees

THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.

Headquarters for London Planes, Tilia dasystylla. Dutch Elms in extra fine specimens. Hydrangea paniculata grandiflora. Silver variegated Maples.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry, N. H.

When writing to Advertisers mention The National Nurseryman.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,
10,000 Peach, 1 year, 1 to 2 feet,
10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
50,000 Peach, June Buds, 18 to 24 inches.
1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON, Bridgeville, Del.

WHITE PINE SEED

1907 CROP

Guaranteed Absolutely Pure. Collected by ourselves in Northern Wisconsin. Also

PINUS STROBUS

If in need of any, write for prices, stating quantity.

EVERGREEN NURSERY CO.

STURGEON BAY, WIS.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

MAPLE BEND NURSERY

We have a good lot of Peach, Plum, and Pear (Standard and Dwarf) Cumberland, Kansas, and Gregg Raspberry, Eldorado, Taylor, and Early Harvest Blackberry (Root cutting plants.) Also Cut Leaf Birch 6 to 8 ft., and 8 to 10 ft. Weir's Cut Leaf Maple 8 to 10 ft., and 10 to 12 ft., and Silver Maple 1" to 2" caliper. A nice lot of large Shrubs. All the above fine clean Stock.

T. B. WEST Perry, Ohio

Pecan Grafting Wood for Sale

I have a fine lot of grafting wood of the following varieties: Moneymaker, James, Russell Columbian, Rome, Pride of the Coast, 20th Century, Schley, Frotcher, Georgia Giant and Carmen.

No order filled for less than \$1.00 worth. Prices furnished on application.

SAM H. JAMES Mound, La.

Victor Detriche, Nurseryman

ANGERS, FRANCE.

Grower and Exporter of
FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Mazzard, Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora, Forest Trees, Ornamental Shrubs and Evergreens, Conifers and Roses.

Catalogue and prices free on application.

Write direct, I have no agent.

When writing to Advertisers mention The National Nurseryman.

ASK FOR PRICES

We can ship, 24 hours notice

65,000 Standard Apple

Mostly 1st Grade, some 2d and 3d.

A fair stock of

Cherry, Gooseberry, Plum

On Native Plum Stocks.

IN SEEDLINGS:

Plenty of

Elm, Maple and Walnut.

SHRUBS:

Extra Fine

Snowball, Honeysuckle,

P. L. Berberry,

Spirea Thunbergii,

Anthony Waterer

2,000

Scarlet Trumpet Honeysuckle,

35,000 Evergreens,

12 inches up

Norway, White, Col. Blue Spruce,

White Scotch Pine,

Balsam Fir,

One car load large Carolina Poplar

C. G. Patten & Son,

CHARLES CITY, IOWA.

When writing to Advertisers mention The National Nurseryman.

AT AUCTION! SHRUBS AND HARDY ROSES

Beginning MARCH 31, 1908 and thereafter every TUESDAY and FRIDAY until further notice, at 9:30 A. M., we shall sell at PUBLIC AUCTION the largest and most varied assortment of HIGH CLASS FLOWERING SHRUBS ever brought to this side of the Atlantic. They embrace Rhododendrons, Azaleas, Clematis, Hydrangeas, Snowballs, etc. Also thousands of the finest HARDY ROSES; also FANCY EVER-GREENS—Box, Golden, Juniper Retinospora, etc. This elegant assortment meets all possible tastes for Landscape Effects, or Veranda, Hall, Restaurant, or Hotel Adornment—and ALL AT YOUR OWN PRICE. Don't miss this grand opportunity. First sale of the season. Handsome Catalogue at sale. We guarantee all stock first class unless otherwise stated at sale. Send for catalogue.

N. F. McCARTHY & CO.,
HORTICULTURAL AUCTIONEERS
84 HAWLEY STREET, BOSTON, MASS.

USE Ozark Dust Sprayers

Send for Booklet telling all about the Dust Spray and Spraying. IT IS FREE

Haldeman Mfg. Co. Springfield, Mo.

Nurserymen's Stock Books

Revised Edition; 68 pages, 16x21 inches. Printed on good quality ledger paper, and bound in tough tag board.

PRICE \$2 00. Sample Leaf on Application

SCRANTON, WETMORE & CO. ROCHESTER, N. Y.

FOR SALE

A NURSERY, situated one mile from Centralia, Illinois, (established in 1866) on the Illinois Central R. R. An excellent chance for a young man with energy and push. Four R. R., 10 Mails daily. Write or call on

C. H. WEBSTER, : : : Centralia, Illinois.

Get Our Prices on 5 Red Emperor Grapes. Largest Table Grapes Grown in California. We tell how to grow this grape in any Climate. Large Souvenir Catalogue showing largest tree in the World Free.

Address:

The Fresno Nursery,

Box P. P. 42 Fresno, California.

Largest Growers of grape Vines in the United States.

Bridgeport Nurseries

C. M. HOBBS & SONS

—Successors to—

ALBERTSON & HOBBS,

: BRIDGEPORT, IND. :

FOR SPRING OF 1908

PLUMS (large stock, all grades) European, Japan, AMERICANA, CHERRIES, PEARS, Std. and Dwf. (all grades), APPLE, PEACH, QUINCE, GRAPE, CURRANTS, SMALL FRUITS, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, ROSES, etc., etc. APPLE SEEDLINGS, FOREST SEEDLINGS, IMPORTED CHERRY, PEAR, PLUM SEEDLINGS.

Our SPADES the cheapest and best in the market.

We can supply a quantity of light grade pear, cherry, apple, peach and plum.

We also have a fine lot of C. Poplar and Ornamental plants. Unusually fine lot of Burberry. Thumbergii. Special prices on light grades Fruit Trees Polars and Thumbergii.

WANT LISTS PRICED PROMPTLY.

SURPLUS

One-half inch Pears, Plums and Cherries, Red Snow-berry, Paeoniflora and Jeanne d'Arc Altheas, Rhodotypus, Red Branched Dogwood, Deutzias in variety. Common Purple Lilac. Japan Snowball, 5 to 6 ft., and 2 to 3 ft. American Arbor Vitae, 4 to 5 ft., and 3 to 4 ft. Irish Junipers, 3 ft. Norway Spruce, 2 to 2½ ft. Achillea the Pearl. Boltonia Asteroides.

Write for prices to

The Morris Nursery Co.

WEST CHESTER, CHESTER CO., PA.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for WHOLESALE
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER & CO., Successors, Orleans, France



The Improved Feigly Nursery Tree Digger

Has more points of merit recommending it to the Nurserymen of the United States than any other machine for like purpose on the market to-day. It has the endorsement of Mr. G. M. Bentley, Secretary and Treasurer of the State Nurserymen's Association of Tennessee. as to its moderate price, its efficiency as a real Tree Digger, and also its value as a Root Pruner. Buy a "Feigly" and you'll consider it the best investment you have ever made in your nursery business.

McMinville, Tenn., Feb. 28, 1907.
Mr. Al. K. Feigly, Skiatook, Okla.

Dear Sir: The Tree Digger bought of you last October, has proven itself far beyond my expectations. I also find it just the thing to run around beds of forest seedlings, also to run around nursery rows. I found two good horses amply sufficient to pull the digger in any ordinary land. among most any kind of trees. I got my stock up with better roots than possibly could have been done with hoe and spade. Don't see how I ever got along without it. It saves the work of a large force of hands and has paid for itself already.

Yours truly, J. H. H. BOYD.

Proprietor Forest Nursery Co.

Cheapest and best.

Would advise Early Orders to insure prompt shipment.

Excelsior, Minn. March 12, 1907.

Mr. Al. K. Feigly, Skiatook, Okla.

Dear Sir: I am very much pleased with the Feigly Tree Digger. It is almost as easy to handle as a cultivator. Two good steady horses pulled your digger through two acres of four-year-old apple trees last fall. Had we taken our old digger which requires six horses to pull it, we would have had to spend more time digging the trees with spades at the end of the rows in order to prepare a place to turn around with all these horses than it took do the whole job with your Feigly.

Yours truly,

ALFRED O. HAWKINS, Proprietor Deeplaven Nursery.

Bange, Tex., Aug. 17, 1906.

Mr. Al. K. Feigly, Skiatook, Okla.

Dear Sir: Your digger is all you claim for it, and is the lightest draft digger that I know of. I have dug trees with it with one horse and never use more than two.

Very respectfully,

W. J. SCHULZE,

Proprietor Brownwood and West Texas Nursery.

Write for prices. **AL. K. FEIGLY, Mfg., Office & Factory, Skiatook, Okla.**

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

SURPLUS LIST

2000 Norway Spruce, 2-3 ft. bushy.
5000 B. Thunbergii, 12-18 in.
1500 Spirea Van Houttei, 2-3 ft.
200 Cornus Florida, 2-3 ft.
200 Cornus Florida Red, 2-3 ft.
200 Forsythia Fortunei, 2-3 ft.
200 Golden Elder, 2-3 ft.
300 Calycanthus Florida, 2-3 ft.
160 Tree Hydrangea, 2 1/2-3 1/2 ft.
200 Purple Berberry, 2 ft.
200 Photinia Villosa, 2-3 ft.
100 Syringa Grand, 2-3 ft.
20000 Sugar Maple Seedlings, 6-12 in.

5000 Sugar Maple Seedlings, 2-3 ft.
500 Paper Birch, 4-5 ft.
500 Azalia Nudiflora, 1-2 ft.
800 Aquilegia Red,
2000 German Iris, best named,
2000 Japanese Iris, best named
500 Achillea (The Pearl)
1000 Spirea Sobata
2000 Hardy Phlox named
Conquelicot, Madam
Muret, Madam Beganson,
Queen White, Etta's
Choice, le Soliel d'Or
5000 Siberian Iris blue

2000 Siberian Iris white
200 Veronica Spicata
1000 Hardy Pinks
500 Heliopsis Pitch
1000 Helianthus Divaricata
1000 Aster Novae Angliae

PEONIES, 3-5 eyes.

Festiva Maxima
Abanthus Purple
Louis Van Houttit, Red
Agida, dark crimson
Her Majesty Rose
Jenny Lind, bright pink

Lady Derby, white
General Bertrand, Salmon
Senora Bramnell, Silver
Pink
Princess May, cream white
Roses No. 1, 18-24 in., 3 or more branches
1000 C. Rambler
1000 D. Perkins
2000 Hybride Perpetual in best varieties
2000 Rosa Rugosa, 18-24 in. 3 or more branches
Sir Thos. Lipton, Double White,

HANSA, double red.

2000 Hall's Honeysuckle, 15 in.
1000 Trumpet Vines, 3 yr.
300 Wistaria Multijga
500 Acorus Calmus, Variegata
500 Monkshood
300 Shasta Daisy
300 Pentstemon Barbatus
Packing at cost:
Fine stock, low prices
Satisfaction guaranteed.
"Send for price list."

Packing at Cost. Fine Stock, Low Prices. Satisfaction Guaranteed.

THE GRANGERS' NURSERIES,

SEABROOK, N. H.

"Send for Price List."

TREES BOX LUMBER

Why Not Buy your Lumber for Boxing Sized, cut to Lengths You Use and all Ready to Nail Together?

It Costs but Little More than the Common Lumber you buy and you will Save Work, Waste and Money.

SPECIAL PRICES ON CAR-LOTS

MILLS { WAUSAU, WIS.
MANISTIQUE, MICH.

GOODWILLIE BROTHERS

407 New York Life Bldg., Chicago, Ill.

J. W. CROSS,
 "OLD GRAMMAR SCHOOL"
WISBECH, : : ENGLAND

Orders are now being booked for the "FALL 1908" for the following:

Strawberry Plants—Royal Sovereigns, Sir Joseph Paxton, Nobles, The Laxton, Bedford Champion (new), and many varieties of the perpetual sorts.

Raspberry Canes—Baumforth Seedling, Superlative, Beehives, Norwich Wonders, Antwerps, Perfection (new). All young spawn and well rooted.

MILLIONS OF THE ABOVE TO OFFER

Gooseberry in choice variety and **Currants**—(Red, Black, and White).

Bulbs—Daffodils, Narcissus, Crocus, Tulips, etc., etc., **TONS TO OFFER**, at a very low clearance offer, to arrive at the fall of 1908. These are **ALL ENGLISH GROWN** at my farms.

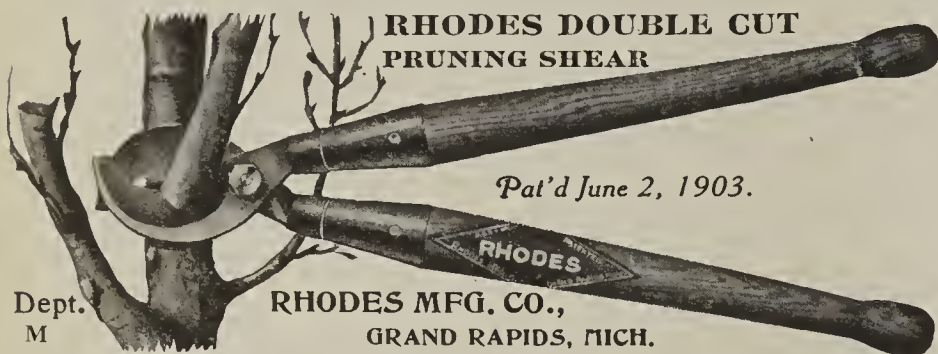
Chrysanthemums—Rooted or unrooted cuttings, hundreds of varieties in stock. Earlies, Mid and Late.

Special low prices will be quoted for any of the above by stating requirements on application.

Write for Particulars

Address in full:

J. W. CROSS,
 "OLD GRAMMAR SCHOOL"
WISBECH, : : ENGLAND
 Telegrams Potatoes, Wisbech, Eng. A.B.C. Code V. Edition



THE ONLY PRUNER with blade that cuts from Both Sides of the Limb and does not bruise the bark. Made in all styles and sizes. We pay express charges on all orders. Write for circular and prices.

IN STORAGE

Cal. Privet, 2 year, 18 to 24 inches.
 Cal. Privet, 2 year, 2 to 3 ft.
 Cal. Privet 2 year, 3 to 4 ft.
 Ampelopsis Veitchi, Hydrangea, Etc., Etc.

HIRAM T. JONES, Union Co. Nurseries,

Elizabeth, N. J.

2 1/2 Inch Pots **ROSES** 4 Inch Pots

On own roots, summer grown, winter rested, for lining out.

Send want list to **THE LEEDLE FLORAL COMPANY** 400 Best Varieties
 SPRINGFIELD, OHIO.

We Offer for Immediate or Spring Shipment.

CHERRY, PEAR, ROSES and QUINCES, in assorted varieties and sizes. An especially fine lot of these, and **ELBERTA** Peach, June buds, in small grades for lining out.

GRAFTED PECANS, 1 to 2 feet.

MARIANNA Plum **MANETTI** Rose stocks and **PEACH SEEDLINGS**, for grafting and transplanting.

Fraser Nursery Company,
 (Incorporated)

Huntsville, Alabama

Tools and Requisites for Nurserymen

Ames and Rochester Tree Spades.

English and American Pocket Budding Knives.

English and American Pocket Pruning Knives.

Pruning and Snagging Shears.

Tree Labels.

Raffia.

Weaver Hardware Co.,
 Rochester, N. Y.

WANTED Young man familiar with ornamental nursery stock and used to handling help. Must be sober, honest and industrious. Permanent position to right party. State age, experience and salary expected, and send references to

S. B., Care of **NATIONAL NURSERYMAN,**
 ROCHESTER, N. Y.

A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere. Address,

PIONEER NURSERIES COMPANY,
 Salt Lake City, Utah.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to

HERMAN BERKHAN, Sole Agent, 133 Reade Street, New York

Sole Agent for United States and Canada

When writing to Advertisers mention The National Nurseryman.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

Azaleas
Ghent-Mollis
and Native

Rhododendrons
Hardy Hybrids
all sizes

Boxwood
Pyramidal
Standard

Rare Evergreen Trees and Shrubs

Specimen Stock

Herbaceous Perennials

OVER 1000
VARIETIES

We grow everything required for Garden, Lawn and Landscape Planting and furnish complete lists. General catalogue and trade list on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

SPECIAL.

PEARS STANDARD—Leading varieties.
PEARS DWARF—Mostly Duchess.
PLUMS—Mostly Burbank and Lombard.
BLACKBERRIES—Root Cutting Plants of Early Harvest, Rathbun, Snyder, Taylor and Eldorado.
CATALPA SPECIOSA—6 to 8 ft.
CATALPA BUNGEI—Strong 2 year heads.
ELM, AMERICAN—8 to 10 ft. and 10 to 12 ft.
ELM, SCOTCH OR BROAD LEAVED—8 to 10 ft. and 10 to 12 ft.
LIQUIDAMBER—5 to 6 ft. and 8 to 10 ft.
SYCAMORE, AMERICAN—6 to 8 ft. and 8 to 10 ft.
SYCAMORE, EUROPEAN—6 to 8 ft.
DEUTZIA, PRIDE OF ROCHESTER—2 to 3 ft.
PHILADELPHUS, LEMOINEI—2 to 3 ft. and 3 to 4 ft.
SPIREA, BILLARDI, REEVES, VAN HOUTTI, AND TOMENTOSA.
WEIGELIA, ROSEA AND VARIEGATED—2 to 3 ft. and 3 to 4 ft.
100,000 CALIFORNIA PRIVET—12 to 18 inches, 1 year branched.
ROSES, HYBRID PERPETUAL AND RAMBLERS—In good assortment.
1000 PHLOX, WHITE.
A General Assortment of Fruit and Ornamentals.

W. B. COLE, Painesville, O.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

Send list of wants for lowest prices
f. o. b. here.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

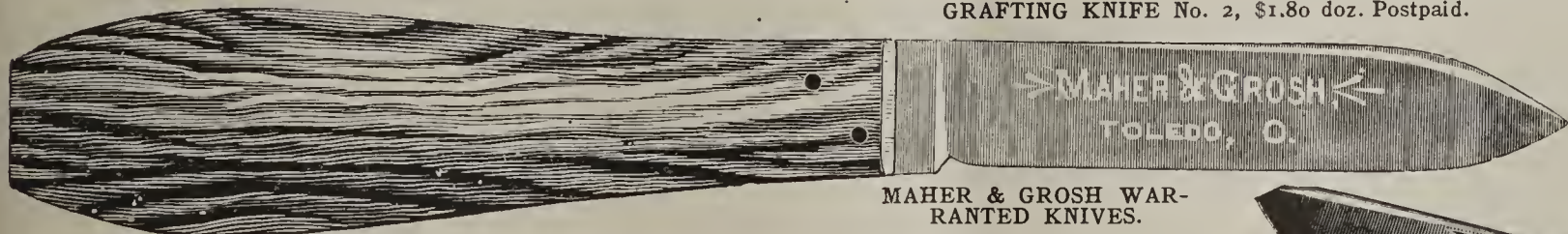
Goossens & Hellemans, Oudenbosch, Holland

(Formerly C. ESCHWEILER)

Growers of Hardy Ornamentals, Forest and Avenue Trees, Conifers, Evergreens and Shrubs; also a fine line of assorted Seedlings, at reasonable cost; Supply only A 1 QUALITY! For New Trade List, now issued, Address the American Agents:

AUGUST ROLKER & SONS, New York, P. O. Box 752 or 31 Barclay Street

GRAFTING KNIFE No. 2, \$1.80 doz. Postpaid.



MAHER & GROSH WAR-
RANTED KNIVES.

FLORISTS' KNIFE
White Handle

No. 89
50c. postpaid

Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89½ has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO.

When writing to Advertisers mention The National Nurseryman.

SURPLUS

Bartlett Pears
Keiffer Pears
Balt. Belle Roses
Q. of Prairie Roses
Silver and Norway Maples
Am. Elms

2 1/2 to 4 1/2 inches Caliper

E. MOODY & SONS,

LOCKPORT, N. Y.

NIAGARA NURSERIES,

Established 1839.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
and Native Plum, Peach, Ornamental Trees and a
fine lot of Poplars, including 1 yr. whips. Lots of
shrubs, vines, roses, evergreens, herbaceous and
perennial plants. Also a nice lot of 1 yr. grapes
that promise to be good stuff.

Correspondence solicited and inspection invited.

We Have a Surplus

of very Nice Peach Trees in cellar,
ready for prompt shipment. Quality
A No. 1. Price low. Also Catalpa
Bungeii 2 year No. 1, White Birch
and other General Nursery Stock.
GIVE US A CHANCE to show you our
stock. We can please you.

M. BARNES NURSERIES

STA. K., CINCINNATI, OHIO

American Nursery Company

COMBINING

Fred'k W. Kelsey, New York City
F. & F. Nurseries, Springfield, N. J.
Bloodgood Nurseries, Flushing, L. I.
N. J. & L. I. Nurseries

We can supply your every need

Write for prices

SALES DEPARTMENT

150 Broadway,

New York

When writing to Advertisers mention The National Nurseryman.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors
ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,
Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem
Kieffer and LeConte Standard Pears 2 yr. fine trees; Can
offer 50,000 Peach Seedlings, grown from Natural Peach
Pits, nice size for lining out in Nursery for budding, or suit-
able for grafting in the South, also a nice lot of Japan Pear
Seedlings. Correspondence solicited.

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

You Need Them and We Have Them WHAT?

WHY ALMOST ANYTHING IN THE WAY OF

Fruit and Ornamental Trees

Grafted Pecans and Pears Especially

WE CAN HANDLE LARGE ORDERS TO
YOUR ENTIRE SATISFACTION. WRITE US

ARCADIA NURSERIES

WHOLESALE—RETAIL.

J. H. Girardeau, Jr., Mgr.

MONTICELLO, FLA.

Surplus List of Specimen Trees

70 Alder, European 1 3/4 to 2 in. cal.
55 Alder, European 2 to 2 1/2 in. cal.
325 Ash Am. White 6 to 8 ft.
110 Ash Am. White 8 to 10 ft.
35 Ash Am. White 10 to 12 ft.
750 Catalpa Speciosa 1 1/2 to 2 in. cal.
60 Cypress, Deciduous 6 to 8 ft.
105 Elm, cork barked 8 to 10 ft.
60 Elm, cork barked 10 to 12 ft.
900 Mulberry, Russian 6 to 8 ft.
200 Liquid Amber 6 to 8 ft.
170 Elm, American 2 to 2 1/2 in. cal.

90 Elm, American 2 1/2 to 3 in. cal.
70 Elm, American 3 to 4 in. cal.
26 Elm, American 4 to 5 in. cal.
These Elms were transplanted 3
years ago and have a fine root system
and uniform tops.
148 Butternut 6 to 8 ft.
50 Butternut 8 to 10 ft.
45 Black Walnut 6 to 8 ft.
36 Black Walnut, 8 to 10 ft.
2100 Maple, Silver 8 to 10 ft.
850 Maple, Silver 1 1/2 to 1 3/4 in. cal.

This stock was grown for our regular retail trade and are perfect specimens
of their respective types. We will quote special low prices for early orders.

The Cassel Nursery Company
CLEVELAND, OHIO

Dreer Specialties for Spring 1908

Hardy Perennials

Japanese Anemones
Aquilegias
Hardy Asters
Delphiniums
Hardy Ornamental Grasses
Heleniums in variety
Helianthus, large assortment
Hollyhocks, heavy field plants
Japanese Iris in fine assortment
Paeonies Herbaceous and Tree
Phlox, best in the country
Pyrethrums, double and single
Rudbeckias in variety
Tritoma Pfitzeri and other
Veronicas, Etc., Etc.

Decorative Plants, Dahlias, Hardy Climbers, Roses
in five and six inch pots for immediate effect.
Water Lilies and Aquatic Plants, Etc., Etc.

Henry A. Dreer,

714 Chestnut Street,

Philadelphia

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery

WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices
can be quoted on all Conifers.

*HARDY ORNAMENTAL EVERGREEN and
DECIDUOUS TREES.*

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other

AMERICAN PLANTS.

*(A good stock of all hardy varieties of
Rhododendrons).*

*CLEMATIS and other HARDY CLIMBING
PLANTS.*

Transplanted FOREST TREES.

The stock is in excellent condition.

Large quantities shipped annually.

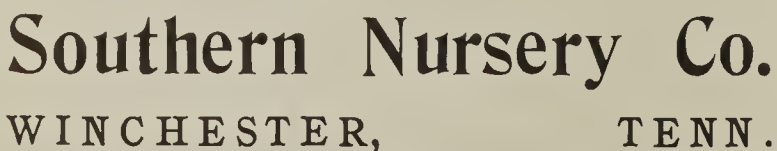
For Spring 1908

APPLE TREES	. . . . .	$\frac{3}{4}$ and up
APPLE TREES	. . . . .	$\frac{5}{8}$ to $\frac{3}{4}$
PIN OAKS	. . . . .	3 to 16 feet
RED OAKS	. . . . .	6 to 14 feet
CAROLINA POPLARS	{	8 to 10 ft., 10 to 12 ft., 12 to 14 ft.
AMERICAN ASH	. . . . .	6 to 14 feet
AMERICAN JUDAS TREE	. . . . .	6 to 8 feet
WEeping WILLOW	. . . . .	6 to 14 feet
HEMLOCK SPRUCE	. . . . .	Fine trees from 2 to 8 feet
WHITE PINE	. . . . .	2 to 6 feet

VIBURNUM PLICATUM, large stock from 1 to 5 feet.
VIBURNUM TOMENTOSUM from 2 to 5 feet.

WEST CHESTER, PA.

For Spring 1 9 0 8



When writing to Advertisers mention The National Nurseryman.

“Most Northern in America”

FRUIT AND ORNAMENTAL
TREE SHRUBS, ROSES,
VINES, SMALL FRUITS, ETC.

EVERGREENS AND EVERGREEN SEEDLINGS SURPLUS OF NORWAY SPRUCE

We make a specialty of growing nursery stock of hardy varieties of fruit and ornamental stock that is suited and adapted to the northwest. We devote our energies to growing stock that is suited to the northwest. Dealers will find our grounds excellent for packing. Our large storage warehouses are close by the railroad. Prompt attention given to all orders from the trade.

L. L. MAY & CO.

ST. PAUL, MINN.

B. & A. SPECIALTIES.

NURSERYMEN AND FLORISTS,
RUTHERFORD, N. J.

When writing to Advertisers mention The National Nurseryman.

Apple
Seedlings, Japan Pear Seedlings,
Kieffer Pear Seedlings, French Pear Seedlings,
Mahaleb Seedlings, Myrobolan
Plum Seedlings.

We Take Pride in Making Good Grades

GRAFTS MADE TO ORDER

Apple, Whole or Piece Root.

Pear, Whole or Piece Root.

Our grafts are made by experienced workmen, and carefully wrapped. Can wrap with thread, waxed paper or raffia. Send us your list of wants and let us make you prices.

We also offer Forest tree Seedlings, Apple, Cherry, Peach, Plum, Kieffer and Garber Pear, Shade trees, Flowering Shrubs, Roses, Vines, Grapes, Currants, Rhubarb, Asparagus.

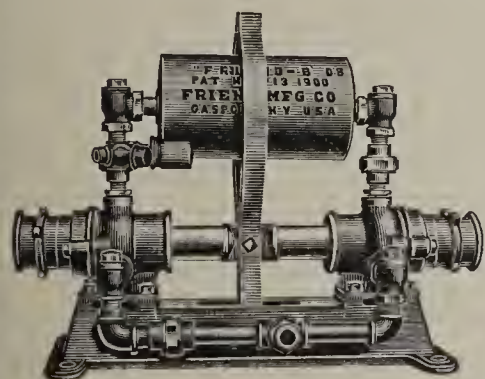
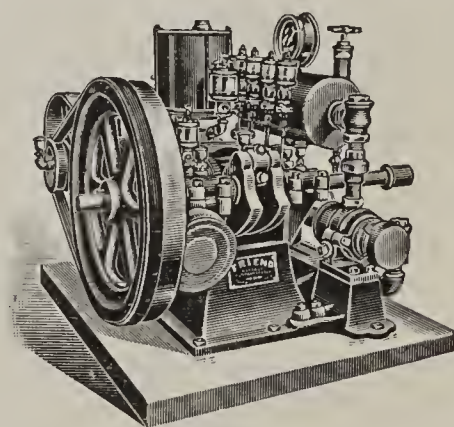
J. H. Skinner & Co. - Capital Nurseries
TOPEKA, KANSAS

There May be Others but
Only One "FRIEND"

Our 1908 Power Machine is as usual the smallest, lightest, most compact outfit on the market. Our 1908 model shows many little attractive features.

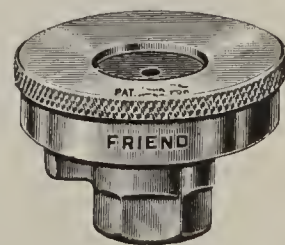
It has always been and always will be "best."

Sales are Doubling on Them This Season



Our new model hand pump is superior to anything we have heretofore made. In appearance it is a beauty, no change in its general principles have been made but its efficiency has been improved by noticable modifications.

Our celebrated "Friend" Nozzle is the original large nozzle, doing away with the cluster, no horns, no hooks, nothing to catch or clog, one does the work. Thousands sold to satisfied customers. It was a little missionary for "Friend" ideas last season and is still leading all other makes. PRICE \$1.55 Postpaid. It is covered by U. S. Patents, dated 4-2-07, 7-20-07. Can. Pat. dated 6-4-07. 9-3-07. Other patents pending. Beware of infringements.



Our new Ball shut-off was thoroughly tested last year having sold hundreds of them during the spraying season. It is small, strong, durable and positive in its action, does not leak, works quickly and easily. When open offers no resistance to the solution. Does not have to be held open for when it is open it stays there until a simple movement of the little lever closes it. Its peculiar shape saves the hose from breaking, as it approaches the valve in a natural position. You can not afford to be bothered any longer with wet hands and clothing.

PRICE \$2.20, Postpaid.

Our new catalogue better describing our line is free.

We are better able to take care of the rush orders this season.

Tell us what you want and we will do the rest.

FRIEND MFG. CO., Gasport, N. Y.

When writing to Advertisers mention The National Nurseryman.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR IND. Mfrs. of Planished Sheet Steel

SPAGNUM MOSS

A few carloads in bulk still on hand. In 100-lb sacks, 60c each

Z. K. JEWETT & CO., Sparta, Wis.

Poplars---Lombardy, All Sizes PEACH TREES

Leading kinds, 4 to 6, 3 to 4 ft. and 2 to 3 ft.

Josiah A. Roberts, Malvern, Chester Co., Pa.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.

NEWARK, N. Y.

Fine Assortment of PEACH

2 to 3 feet, 3 to 4 feet
and 4 feet and up

Nice clean stock.

Prices Right.

JOHN A. YOUNG

GREENSBORO, N. C.

SMALL FRUIT PLANTS

FOR THE NURSERY TRADE.

Raspberry, Blackberry, Gooseberry and
Currants, Currant and Gooseberry Cut-
tings, half million Black and Purple Rasp-
berry Tips.

Send me your want list to day. Address

P. D. BERRY

Dayton, Ohio

R. R. No. 3

Bell Phone 3968L.

BERBERIS THUNBERGII

Two year transplants 12 to 18 inch and 18 to 24 inch grades.
30,000 2 yr. seedlings, 6 to 12 inch; Vinca Minor (Grave Myrtle),
Red Oak and Viburnums.

OAK HILL NURSERIES :: Roslindale, Mass.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

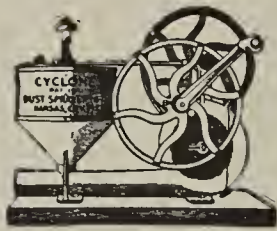
Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

THE DUST SPRAY PEOPLE,



PLEASE ASK FOR SERIES A

Accepting the liquid spray formulas for what they were worth,
as demonstrated by their use, commenced their improvement
six years ago from the standpoint of the grower. Every
season since has been one of advancement and progress. It
required a number of successive seasons to determine the
facts in regard to the fungicide element. Write the Dust
Sprayer Mfg. Co., 1224 West 9th Street, Kansas City, Mo.,
for a summary of their work and results.

The Practical Growers' Way

75% CHEAPER

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest
shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before
buying elsewhere.

When writing to Advertisers mention The National Nurseryman.

Sales Manager Wanted

Successful and thoroughly experienced man to take entire charge of a large force of nursery-salesmen. State experience.

GLEN BROS., Inc., Rochester, N. Y.

NURSERY PRINTING

W. F. Humphrey, Geneva, N. Y., who has been making Catalogues, Trade Lists, etc., for nurserymen all over the country for 23 years, is better equipped with modern machinery than ever. Write for sample of his stock catalogue.

WANTED

AGENCY CORRESPONDENT. Young Man of 4 or 5 years' experience, at one of the principal Nursery centers. A fine opportunity.

THE MUTUAL NURSERIES, Charles A. Ungenfritz, Proprieter, Monroe, Mich.

TREES! TREES!

Get our prices before ordering elsewhere. Over 300,000 Scions to offer. Nurseries at Carrollton and Jerseyville, Ill.

JOHN A. CANNEDY N. & O. CO., Carrollton, Ill.

SURPLUS PEACH TREES

FOR MARCH SHIPMENT.

Absolutely true to name.

PEACH—One Year Old.

	3/4 in. and up.	5/8 in.	3/4 in.	1/2 in.	3/8 in.	3-4 ft.	2-3 ft.	1-2 ft
Sneed	62	1190	4760	715	504	589	220	280
Alexander	261	1009	2170	1692	1665	2573	542	207
Triumph		20	90	85	89	295	188	132
Greensboro	23	733	1588	2151	1603	1704	431	135
Early Rivers	10	40	30	30	24	252	32	8
Mamie Ross		15	141	283	215	324	105	36
Waterloo	40	35		19	46	40	20	
Emma	12	105	503	450	350	490	120	70
Early Crawford	32	804	2569	1657	828	1060	420	367
Late Crawford	97	550	2743	1345	1433	1775	525	300
Stump-the-World	218	858	3023	3071	2439	3220	1085	299
Stephen's Rareri	74	560	806	555	277	388	64	128
Smock Free	26	490	1212	659	515	408	111	94
Old Mixon Free	20	210	1030	730	542	750	126	
Old Mixon Cling		43	48	52	101	68	33	2
Elberta	422	1001	1737	2778	3796	4409	1816	822
Everbearing	20	20	15	9	42	40	30	22
Heath Cling	38				292	400	150	24
Susquehanna	129	180	261	162	181	288	171	135
Baldwin's Late			12		81	223	75	27
General Lee	10	358	375	474	492	270	187	12
Belle of Georgia		31	155	227	221	206	72	24
Carman			32	98	122	252	92	40
Blood Cling			43	22	90	75	81	33
Chinese Cling		20	70	90	63	70	30	4
Wonderful	30	128	162	95	94	120	41	22
Snow Cling		32	304	95	90	108	45	21
Poplar			24	74	404	396	60	72

We also have a Surplus of Plum.

SUBMIT WANT LIST.

WILL MAKE PRICES TO MOVE STOCK QUICK.

SILVER LEAF NURSERIES, Rose Hill, Va.

WANTED

A FOREMAN for outdoor and also a foreman in a packing house in a Nursery. Must be quick and accurate.

KLEHM'S NURSERIES, Arlington Heights, Ill.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

SAN JOSE SCALE

Crude Carbolic Acid Dark

For making emulsions as recommended by different Agricultural Experiment Stations.

50 gal. Barrels	\$21.00
10 gal. Cans	5.20
5 gal. Cans	2.60

Goods delivered at Railroad Station Philadelphia. Cash to accompany order.

Barrett Manufacturing Co. Chemical Dept., Frankford, Philadelphia

W. FROMOW & SONS, Windlesnam, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1907, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

R. DOUGLAS' SONS

WAUKEGAN NURSERIES

Waukegan, Illinois.

EVERGREEN SEEDLINGS
IN LARGE QUANTITIES

EVERGREENS FOREST TREES

Largest Stock in America, including
Colorado Blue Spruce and Douglas
Spruce of Colorado.

RARE — HARDY — BEAUTIFUL

A full line of Ornamental Trees and Shrubs.

Established 1848.

UNIVERSITY AVENUE NURSERIES

ROCHESTER, N. Y.

We offer for spring in good stock the following
desirable varieties:

Baby Dorothy Rose, 2 year field grown plants.
This is a great acquisition, and the best forcing rose
extant.

Pink Baby, Anny Muller. For bedding it has
no equal. Color a brilliant pink and extra fine.
Field grown plants.

Baby White Rambler, with perfect double flowers,
sweet scented, of free growth and an acquisition.
Field grown plants.

New Rose, C. F. Meyer, perfectly hardy, of strong
growth, with large silvery pink flowers. A grand
variety.

Lady Gay, an improved Dorothy Perkins, a bet-
ter variety than it. A grand climber.

Gold Medal Peonies, in grand assortment.

Blue Bird Flowers, (veronica long. subs.) strong
plants.

Clematis paniculata, 2 year field grown, good
plants.

Hollyhocks, double and single, separate colors.

The New Hydrangea, arborescens, grandiflora alba,
a grand hardy, extra fine shrub, very desirable.

John Charlton & Sons

Rochester, N. Y.

When writing to Advertisers mention The National Nurseryman.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:

200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamelis Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yuca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Frutosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.
At lowest prices. Send for trade list.

FOREST NURSERY AND SEED COMPANY,
R. F. D. 2, McMinnville, Tennessee

Colombe-Lenault-Huet, NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous
Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,
WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

NURSEYMEN, ORCHARDISTS AND FARMERS

THE protection of your fruit trees from Pear Blight, San José
Scale, Beavers, Rabbits, Mice, Canker Worms and Sun Scald
is of paramount importance to you. The only way to over-
come Pear Blight is through treatment of the SAP. BACTERIA LIVES
IN THE SAP. All other treatments have failed. Warnock's treat-
ment has never failed. WE INVITE CRITICISM. For protection against
the pests, etc., named above, write for a 21 page booklet which
will be sent free by R. WARNOCK & CO., Independence, Mo.

AGENTS WANTED

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have
our usual supply of Cherry, One and Two Year,
that promise very fine.

While we grow Cherry in larger quantities than
any other Stock, we also have a very complete line
of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade
Trees, etc.

CAR LOAD LOTS A SPECIALTY.

OUR SPECIALTY

Burbank's Wonderful Winter Rhubarb

Plant any time from September till May. Headquarters for
California Fruits and Berries. Write for quotations on your needs.

Peach Seed in Car Lots.

WAGNER'S NURSERY, Pasadena, Cal.

Dept. A.

When writing to Advertisers mention The National Nurseryman

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Pleased to price
your list of wants
or to show you
our stock. Spec-
ial inducements
on car lots.

If you have not
received our fif-
tieth anniversary
descriptive cata-
log, send for it,
Catalogs and
Price Lists free.



CUT LEAF BEECH.

Roses — Hybrid
Perpetual,
Ramblers, Climb-
ers, Etc., in large
supply.

Our, green
houses in addi-
tion to regular
stock of Pot and
Bedding Plants
have a fine lot of
Decorative
Stock. Palms,
Ferns, Araucar-
ias, etc.

53 Years.

1200 Acres.

44 Greenhouses.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

Shrubs
Evergreens
Roses
Hardy Plants

All the Best and Hardest Varieties. Largest and most varied Collections in America. Illustrated Descriptive Catalogue (144 pages), also Descriptive List of Novelties and Specialties with beautiful colored plate of the New Hardy White Rose Frau Druschki, mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen-Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

The Geneva Nursery

Special Offer

1000	Early Richmond,	$\frac{3}{4}$ in. and up	} Write for prices
1925	"	$\frac{5}{8}$ - $\frac{3}{4}$ in. and up	
700	"	$\frac{1}{2}$ - $\frac{5}{8}$ in. and up	

Headquarters for

Fruit and Ornamental Trees, Shrubs, Berries, Phlox, Clematis, Evergreens, Peonies, Azaleas, Rhododendrons.

Roses

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

Write for our Spring Trade List if you have not received one.

Special attention given to dealers complete lists.

W. & T. Smith Company,

Geneva, N. Y.

Established 1840

700 Acres

When writing to Advertisers mention The National Nurseryman.

Last Chance

A Good Assortment of High Grade
ORNAMENTALS Still to Offer

Roses : Crimson Rambler, Dorothy Perkins, Lady Gay, Mosses and H.P.'s.

Clematis : Paniculata and Large-flowering.

California Privet, Barberry, Ampelopsis, Conifers, Perennials and Shades.

Bulletin No. 3 was mailed out March 26th; did **YOU** receive a copy? Glad to send you one; it's free for the asking and goes to The Trade only.

JACKSON & PERKINS CO.

WHOLESALE ONLY

NEWARK

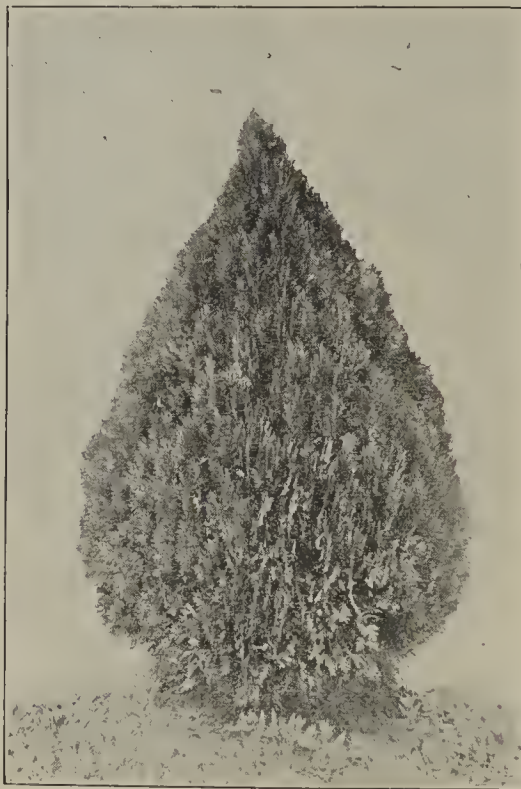
WAYNE COUNTY

NEW YORK

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA
MEEHANII

(Hibiscus Syriacus)
(Newvariegated single flowering Althaea).

Field grown

DOROTHY

PERKINS,

CRIMSON

RAMBLER,

and **MARIE**

PAVIE Roses.

AZALEA

INDICA,

CAMELLIA,

MAGNOLIA

grfl.,

WIER'S

MAPLE,

TEAS,

MULBERRY,

TULIP

POPLARS,

all first class.

Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

Apple Seedlings, Japan Pear
Seedlings, Kieffer Pear Seed-
lings, French Pear Seedlings,
Myrobolan Plum Seedlings,
Mahaleb Seedlings.

WE TAKE PRIDE IN MAKING GOOD GRADES

GRAFTS MADE TO ORDER

Apple, Whole or Piece Root

Pear, Whole or Piece Root

Our grafts are made by experienced workmen and care-
fully wrapped. Can wrap with thread, waxed paper or raffia.
Send us your list of wants and let us make you prices.

We also offer Forest tree Seedlings, Apple, Cherry,
Peach, Plum, Kieffer and Garber Pear, Shade Trees,
Flowering Shrubs, Roses, Vines, Grapes, Currants, Rhu-
barb, Asparagus.

J. H. Skinner & Co.

CAPITAL NURSERIES

TOPEKA, KANSAS

Bryant's Nurseries Princeton, Ill.

Offer in addition to a large general
stock special inducements on the
following for this month :

5000 Norway Maple lightly branched, 4-5 ft.

2000 Sugar Maple well branched 5-6 ft.

3000 Am. White Elm 5-6 and 6-8 ft.

400 Horse Chestnut 6-8 ft.

3000 Barberry Thunbergii 18-24 in.

10000 " " 12-18 in.

4000 Purple Leaved Barberry 12-18 in.

3000 Siberian Dogwood 2-3 ft.

10000 Spirea Van Houttii 18-24 in. and 2-3 ft.

4000 Yucca Filamentosa

A large stock of Virginia Creeper, Ampelopsis
Veitchii, Iris, Tritomas, and other ornamental
stock. Send for spring list. Stock is No. 1 in every
way, and prices are right.

Arthur Bryant & Son

PRINCETON, ILL.

McHutchison & Co.

17 Murray Street, NEW YORK CITY

Representing in
United States and Canada

VINCENT LEBRETON

Angers, France,

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Own Cultures Exceed 20,000,000 Stocks.

Write for special prices, lists, catalog, etc.

SCHAUM & VAN TOL,

Boskoop, Holland,

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

UNION NURSERIES,

Oudenbosch, Holland,

(H. W. Van Der Bom, Director).

SYNDICATE OF PRINCIPAL GROWERS

OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

We are direct importers of

ENGLISH MANETTI, RHODODENDRONS, Etc.

JAPANESE NURSERY STOCK, MAPLES,

SCIADOPITYS, TREE PAEONIES,

THUYA, JAP. BULBS, Etc.

BAY TREES

Pyramid, Standard from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY.

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

ALONG THE NEW LINE TO THE PACIFIC COAST



IN the Dakotas and Montana are offered to-day the best opportunities in America for the farmer, merchant and workingman. Land there sells at \$10 an acre and upwards, and there are still thousands of acres of homestead lands available. It's a new country, and you can start out there on an equal footing with others. The productiveness of the soil has been proved; rainfall is ample; the climate is neither too cold nor too warm; plenty of fuel---no coal famine in winter; markets are assured for your crops by the Pacific Coast extension of the

Chicago Milwaukee & St. Paul Railway

Daily trains are now being operated on this new line as far west as Miles City, Montana. Between Miles City and Lombard---92 miles east of Butte---service is daily except Sunday. Through sleeping cars, dining cars (serving all meals) and coaches are operated on this line between St. Paul and Minneapolis and Miles City; coaches between Miles City and Lombard. At Harlowton connections are made for Moore, Lewistown and other points in the Judith Basin.

Descriptive folders, maps and complete information regarding fares, routes and train service, free

F. A. MILLER
General Passenger Agent
CHICAGO

J. H. SKILLEN
Commercial Agent
303 Main St., BUFFALO



Cover of "The Flower Girl" Booklet for Heller Bros., made by the McFarland Publicity Service.

The McFarland Organizations Produced This:

"A booklet which admirably illustrates the uniformly high character of the printing and engraving of the McFarland Publicity Service, of Harrisburg, Pa., is 'The Flower Girl,' issued by Heller Brothers, of Newcastle, Indiana, as a catalogue for their nursery. The color printing upon the cover of this booklet is but rarely equaled on this side of the Atlantic."—*Printer's Ink, New York.*

The McFarland Organizations Didn't Produce This:

"———, growers of trees and plants, send us their fall manual of outdoor plants, and ask our opinion of it—presenting an opportunity we seize to say that we believe most catalogues of plants, etc., are capable of vast improvement. This is a fair sample. It has an attractive cover—and an unattractive inside. The pages are not well proportioned, the margins are too narrow, the typography is too large and too much leaded. The cuts are minimized by the text. It is not an easy matter to manage this sort of typography, but it can be done better than this catalogue shows, and better than nearly all the catalogues of this class."—*Profitable Advertising, Boston, Mass.*

The twentieth-century nurseryman knows that the men who are his best customers are readers of trade journals. These extracts from two of the leading advertising periodicals show how trade journals are educating their readers to know good printing. The up-to-the-minute nurseryman won't take any chances of losing trade through catalogues which are not properly printed.

J. HORACE MCFARLAND COMPANY
MOUNT PLEASANT PRESS, HARRISBURG, PA.



THAT nurserymen have been able to maintain business with comparatively little attention to “follow-up” systems goes to show the wonderful possibilities of the trade when it is given the attention that other mail-order lines have been found to require.

The horticultural tradesman who undertakes to supply a “follow-up” scheme for his business finds it peculiar in its requirements. The seasons are short, original material must be used, and the whole plan must be built upon intimate knowledge of special conditions, and efforts to adopt the systems used in other lines almost invariably have proved failures.

But, if the requirements are difficult, the opportunities are great and the results of the proper kind of campaign are very profitable—the returns received from comparatively inexpensive “follow-up” plans used by up-to-date nurserymen have been astonishing to houses in other mail-order fields.

The average advertising agency or printing-house which undertakes to suggest or prepare “follow-ups” for a nursery, a seed-house or a plant concern, generally falls down—notwithstanding the fact that it may have “made good” in other lines of business—and the failure is due to lack of intimate knowledge of the proposition.

Sometimes we fall down, too—fall down hard! But generally our “follow-up” systems, like our advertisements and our catalogues, “get there” and make our customers happy. The “why” is in the years of intimate association with horticultural selling problems on the part of our men, as well as in unique, unequaled and specialized facilities.

We have no “stock prescriptions” for the firm interested in “follow-up” work. We don’t believe in “cure-alls,” medical or otherwise. Every business that gets anything from us gets something of direct application to its needs. If you call us into consultation, we will suggest a scheme for your business, based upon your conditions, seen through the glasses of our experience.

THE MCFARLAND PUBLICITY SERVICE
HARRISBURG, PA.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., APRIL, 1908

No. 4

A FINE PRESIDENTIAL ADDRESS.

At the meeting of the Alabama Horticultural Society held at Birmingham, February 13 and 14, President Heikes delivered an address much above the ordinary because of its high note of enthusiasm. President Heikes has the gift of foresight and the power to feel the trend of events. He is one of those men so much needed in Horticulture, a man who sees the finer and higher side of his profession. The Society in Alabama is striving to better itself and the conditions in the State. It needs, and has, a man gifted with enthusiasm and foresight to act as leader. We regret that we cannot print the whole of the address. However, the extracts that follow will show clearly its fine character.

"Though the horticultural societies of the United States rank with the best in the world, we as one of the youngest of them can point with some pride to the progress we have already made, an advance that should be a splendid incentive to us to face with unfailing courage the problems still awaiting solution.

We are not going to lose any opportunity in trying to reach the excellence in matters horticultural attained by certain other states that as yet excite our envy. It should be remembered, however, that those states have had more years of experience and have been favored in various ways not enjoyed by us. Of their advantages, I would lay stress on the knowledge gained by large and carefully conducted horticultural enterprises, intelligent testing of trees and plants in order to secure varieties best suited to the particular section, and, above all, to the advantages of the large state appropriations and the moral support given to conduct the needed experiments.

"As a society we should take a live interest in the work of our Agricultural Colleges and Schools and lend them every support possible. A few of the professors and instructors identified with them are active members of our Society. We need the coöperation of all, but more especially of those in the Department of Agriculture.

"The subject of Horticulture cannot well be taught in ordinary class rooms. Suitably constructed greenhouses, with their laboratories and other rooms, such as the more advanced institutions have found necessary, are needed at Auburn. They are all workshops of the Horticulturist, but more especially are the greenhouses essential to his experiments and these should be extensive enough, it occurs to me, to demonstrate the practicability of forcing vegetables and fruits under glass on a commercial scale.

"As there is a large and constantly increasing demand in our growing cities, both South and North, for vegetables and

fruits out of season, I think there is a fine opening in the South, where fuel is cheap and sunny days are more numerous than in the North, for the forcing of vegetables under glass. This is a field that has not as yet been sufficiently developed.

"A brighter era for the farmer and fruit grower of the State was inaugurated when the last legislature, with the hearty support of Governor Comer, enacted laws appropriating liberal sums, not only for the common schools and higher educational institutions—the State University and the Industrial School for Girls at Montevallo, one of our most worthy institutions—but also for the Alabama Polytechnic Institute and the District Agricultural Schools and their Experiment Stations. As a consequence, the various branches of our educational system will have better buildings and equipment and more money for maintenance. Nearly every county is to have a High School.

"Each one of the nine District Agricultural Schools—an Experiment Station is connected with each school—will by this law receive from the State annually \$4,500, of which \$750 is to be used for work along agricultural lines. This is unquestionably a wise expenditure as the results of tests and investigations conducted at the Experiment Stations will certainly be of great value to the States. The Agricultural Colleges receive, along with the funds allowed them by their respective States, financial aid from the United States Government.

"We see that much is being done to awaken a greater interest in agricultural and horticultural work and to familiarize the people with the more improved methods. The appropriation for the Agricultural Schools will make it possible to increase their efficiency and consequently their popularity, and to gain for them greater recognition.

"In agricultural and horticultural pursuits, as in almost all others, science has now an important part, and it need hardly be said that he who keeps best informed of the advances made in his particular field of work and avails himself of the improved methods stands a far better chance to succeed. Impressed with the great importance of scientific and industrial education to the agriculturist I would direct attention to the so-called Davis Bill, now pending in Congress, and which, if enacted into law, will usher in the dawn of a still brighter day in our educational system.

"This bill, if passed, will carry an appropriation of ten cents per capita of the population of the United States for the maintenance of instruction in Agriculture and Home Economics in agricultural High Schools of secondary grade,

and instruction in Mechanic Arts and in Home Economics in city High Schools of secondary grade; also an appropriation for the branch Agricultural Experiment Stations.

"The course of instruction in the schools named in the Davis Bill is equivalent to that of a regular high school, except that in addition stress is laid upon especial instruction in Agriculture, Mechanic Arts and Domestic Science, the object being to educate and train boys and girls to raise the standard of our farming conditions and so make that occupation more profitable and attractive.

"I hope the Society may see fit to take some action showing its hearty approval of this bill.

"Although our object in coming together is chiefly to consider and discuss the practical—the economic side of Horticulture, we are not to overlook its æsthetic features, which are scarcely less essential, contributing as they do in so large a measure to the happiness of the people.

"While dwelling upon the difficulties under which he labors the Horticulturist should at the same time be mindful of the great advantages he enjoys. Like the farmer who owns the house in which he dwells and the land that yields him a livelihood, the Horticulturist enjoys a security and independence rarely found in other occupations. During periods of severe financial stress he feels that he can depend upon his land to provide the needs of his family and himself. He and the farmer are the last to suffer the ill effects of hard times.

"Let us bear in mind the indomitable courage of Andrew Jackson while facing the dangers and difficulties on his march through Alabama and like him be ready to meet all trying conditions. Success awaits those who put forth a mightier spirit when greater odds need to be combated.

"Alabama means, 'Here we rest,' but, we are to rest only long enough to gather strength for the onward journey."

IMPORTANT MEETINGS OF HORTICULTURAL SOCIETIES.

ALABAMA STATE HORTICULTURAL SOCIETY.

The fifth annual meeting of the Society was held at Birmingham, February 13 and 14, 1908 at the rooms of the Commercial Club.

The feature of the first day's program was the address of President Heikes. The speech was exhaustive in scope covering all of the lines of effort that had been attempted by the association. There was a fine note of optimism and progress in all that he said.

The complete program was that given below, opening exercises; Address by President W. F. Heikes, Huntsville; "History of Fruit Growing in Alabama," Dr. P. J. Berckmans, Georgia; "Montgomery Flower Growers' Association," Mrs. W. A. Gayle, Montgomery; Address by Prof. Samuel B. Green, president of the Minnesota Horticultural society, St. Paul; "School Improvement," Mrs. L. H. Craighead, Mobile; "Improving Our Country Homes," Dr. W. S. McCain, Livingston; "Relation of Horticulture to the Schools of the State," Prof. S. L. Chestnutt, Montevallo; "How to Reduce the Fertilizer Bill; Some Truths About Seeds," C. B. McVay, Birmingham; Address by Hon. J. A. Wilkinson, Montgomery; "Results and significance of the Plant Disease Survey in Alabama," Dr. E. Mead Wilcox, Auburn; "Laboratory Methods of Studying Plant Diseases," Prof. Stone, Auburn; "Cowpeas," Prof. H. O. Sargent, Hamilton; "How to Set Out a Young Orchard," Prof. E. F. Cauthern, Wetumpka; "Fertilizers," C. H. Billingsley, Montgomery; "Fruit Growing in the South," D. C. Turnipseed, Flora; "Notes," Herbert Chase, Huntsville; "Fruit Insects," Dr. W. E. Hinds, Auburn; "Notes on Fruit Growing in the West," M. C. Scott, Montgomery; "Fruit Soils," Prof. W. G. Smith, Montgomery; "Forestry," Hon. J. B. Powell, Montgomery; "Best Way to Sell Trees," A. G. Long, Andalusia; "Cantaloupe Culture," H. L. Trott, Montgomery; "Our Work at Lapine," C. W. Landers; "Home Fruit Growing," J. A. Kernodle, Camp Hill; "Notes," Prof. R. S. Mackintosh, Auburn; Reports of Committees; Business; Reports of vice presidents. W. F. Heikes, Huntsville is president and R. S. Mackintosh, Auburn, secretary.

The next meeting of the Society will be held at Mobile, the first week in December, 1908.

CONNECTICUT HORTICULTURAL SOCIETY.

The meeting of this Society was held at Hartford, Conn., on February 28, President Huss presiding. The attendance was unusually large. F. Roulier read a paper on Cyclamen Culture that provoked a lively discussion of the subject of saving old bulbs. G. W. Smith was appointed delegate to attend the convention of the Massachusetts Fruit Grower's Association.

MEETING OF THE IDAHO STATE HORTICULTURAL ASSOCIATION.

One of the most successful and largely attended meetings of the Idaho State Horticultural Association ever held, took place at Payette in February. Many able papers were read, followed by able discussions on questions of vital interest to every grower of fruit in the state. At the meeting Judge Fremont Wood was re-elected president of the Association and Captain J. N. Shawhan of Payette, Professor Shinc of Moscow and J. R. Davis of Mountain-home were elected directors.

Perhaps the most interesting session of the meeting was that at which the State Horticultural law was discussed. During the preceding sessions one or two tilts occurred between members when the law was mentioned, as many of the members are dissatisfied with the manner in which the law has been enforced, and even sharper discussions than took place were expected. It is now apparent, however, as a result of the discussion, that a much clearer conception of the law is held by nearly everyone, and especially the district inspectors, than was held by them before.

The following papers were read: "Failures in Tree Planting, Their Causes and Preventatives," by Charles P. Hartley of Emmett; "Our University," by Professor H. T. French of the University of Idaho; "The Commercial Side of Horticulture," by H. E. Smith of Fruitland; "Air Drainage and Its Relation to Orchard Planting," by Silas Wilson of Nampa; "With Our Pickers," by Charles N. Parsons of Homedale; "Observations in Eastern Markets," by State Inspector J. R. Field.

C. C. Effie of Fruitland made the opening address on the State Horticultural law, his subject being, "Review of Our Horticultural Law, the Past and the Present." He charged the board of horticultural inspection with the non-performance of its duties, as he also did the inspectors. He gave a full history of the Horticultural law in this state since it was first enacted.

HORTICULTURAL MEETING IN OREGON.

A large and successful horticultural meeting was held last month at Eugene, Oregon. Among the speakers were: H. M. Williamson, secretary of State Board of Horticulture; Prof. Claude I. Lewis of the Oregon Agricultural Experiment Station; Wilbur K. Newell, president of the Oregon State Board of Horticulture; J. Beebe, fruit inspector for Lane County; E. H. Shepard, editor of Better Fruit and Prof. C. A. Sweetser of the University of Oregon. The meeting was enthusiastic and a success in every way.

MEETING OF THE WASHINGTON HORTICULTURAL SOCIETY.

The annual session of the Washington State Horticultural Society was held at Walla Walla, January 29, 30 and 31. The attendance was large and the program well selected and well carried out. Delegates to the number of 500 and from all parts of the state were in attendance. Major George Kellough welcomed the convention on behalf of the city of Walla Walla. Mr. C. L. Smith responded to the Major's remarks. Afterwards President E. L. Stewart delivered his annual address in which he reviewed the work and growth of the association and dealt on the possibilities for the future.

The following addresses were given: "Natural Cultivation," J. F. Littooy; "Orchard Care and Cultivation," C. L. Smith; "Conservatism and Diversification in the Orchard," Leigh R. Freeman; "Spraying for the Codlin Moth," Prof. A. L. Melander; "The Commercial Orchard: Growing and Marketing," J. L. Dumas; "Association Work and the Commercial Value of a Good Pack," E. H. Shepard; "Fruit Packing," W. S. Offner; "Fruit Handling," C. E. Mosler and Prof. W. S. Thornber; "Grape Culture," Dr. J. Hedges; "Cultivation of the Early Strawberry," J. A. Rose; "General Discussion of Association Work," M. N. Richards and C. J. Linville.

The election of officers resulted as follows: President, H. M. Gilbert, North Yakima; first vice-president, H. W. Crowell, Spokane; second vice-president, Mr. Horus, Wenatchee; treasurer, William A. Ritz; secretary, L. G. Monroe.

MIAMI VALLEY NURSERYMAN'S ASSOCIATION.

The third annual banquet of the Miami Valley Nurserymen's Association was held at the Phillips House, Dayton, Ohio, February 28, 1908. The banquet was preceded by the usual business meeting at which the following officers were elected: President, Theodore Dinsmore of Tippecanoe City; secretary and treasurer, W. N. Scarff of New Carlisle, who, with, C. N. Peters of Troy, M. F. Barnes, of Hamilton and J. W. McNary of Dayton form the Executive committee.

The banquet provided covers for eighteen, and was graced with music, flowers and the worthy wives of the nurserymen. This, the first appearance of the ladies at these annual functions, was the occasion of some felicitous observations by Mr. Frank Freeman of Phoneton, in the only toast of the evening—"The Ladies." The remainder of the evening was given up to some very enjoyable readings by an accomplished elocutionist.

The menus for the evening were the beautiful handiwork of the Rochester Lithographing and Printing Co., while the good feeling of kindred interests were expressed in an elegant contribution of strikingly handsome lilies to the festal board from the Miami Floral Company of Dayton.

NORTH DAKOTA HORTICULTURAL SOCIETY.

The horticulturalists of North Dakota attended the Tri-state convention held January 16, 1908. Special attention was given to the cultivation of trees and fruits. The program was as follows: "Forest and Evergreen Trees," Geo. H. Whiting, Yankton, S. C.; "The Influence of Forestry on the Prairies," Prof. E. G. Cheney, University of Minnesota; "Farmers' Interest in Plant-breeding," O. O. Churchill and O. A. Thompson; "How to Conserve Moisture in the Soil," O. A. Thompson; "Fruits and Berries on the Farm," G. Whiting; "North Dakota's Part in the Forestry Problem," Prof. C. B. Waldron; "Fruits and Vegetables on the Farm," William Roberts, Crookston, Minn.; "Farm Organization," H. Henderson, Halstead, Minn.

THE WORCESTER COUNTY HORTICULTURAL SOCIETY.

The Worcester County Horticultural Society held its annual banquet and reunion at its hall in Worcester, Mass. on March 11.

The Spring Show of the St. Louis Horticultural Society was held March 10-12 in the hall of the Grand Avenue Masonic Temple.

John T. Withers of Jersey City delivered a series of lectures in Minneapolis, Minn., beginning on March 11 on the care and maintenance of trees.

WISCONSIN HORTICULTURALISTS.

The horticulturalists of Wisconsin met at Madison, February 4, 5, 6. All of the sessions were lively and intensely interesting. Among those who spoke were: Prof. J. C. Whitten of the Missouri College of Agriculture, William A. Taylor, United States Department Agriculture; Prof. L. R. Taft, Michigan Agricultural College. Great attention was given to apple growing. The many speeches were all highly instructive and were appreciated by those who heard them.

The following important resolution was adopted: "The Wisconsin State Horticultural Society in annual convention assembled, realizing what has been done by other state universities in promoting the study of plant disease and providing remedies for the same, would respectfully ask that our representatives in the next Legislature be and are hereby requested to introduce a bill to establish at the Wisconsin University a Chair of Plant Pathology with such provisions and duties as may best serve to put our farmers and horticulturalists in possession of the best methods of combating the disease and insects to which the ordinary plants of cultivation are subject."

The result of the election of officers was: President, R. J. Coe, Fort Atkinson; vice-president, D. E. Bingham, Sturgeon Bay; secretary, F. Cranefield, Madison; treasurer, L. G. Kellogg, Ripon; executive committee the Officers and J. A. Smith of Lake Geneva, Prof. E. P. Sanston of the University of Wisconsin, William Toole, Baraboo, C. E. Mellen of Milwaukee, Henry Melcher of Oconomowoc, L. A. Carpenter of Fond du Lac, A. J. Phillips of West Salem, M. E. Henry of Oshkosh, Irving Smith of Ashland and C. L. Richardson of Chippewa Falls.

LOUISIANA STATE HORTICULTURAL SOCIETY.

The fifth annual meeting of the Louisiana State Horticultural Society was held at Minden, February 20, 21 and 22. The program included discussions of subjects presented by the leading scientific and practical horticultural and agricultural men in the state. A representative of the United States Department of Agriculture was present.

The following subjects are among those that were on the program: Peach Culture, The Cannery, Apple Culture, Pecan Culture, Good Roads, Cut Flowers, Rose Culture, Bird Life, New Vegetables and Fruits, The Nursery, Tomato Growing Plant Diseases, Fig Culture, Grape Culture, Small Fruit, Hedge Plants, Care of the Orchard, Trucking, Insect Pests, School Gardens, Fertilizers, Home Improvement, School Grounds, Horticulture and The Railroads.

The program was very interesting and the attendance was the best in the history of the society. Great interest was shown in pecan culture which received much attention.

C. D. Otis was reelected president, E. G. Grindrod, Farriday, La., was elected first vice president; L. N. Bruggerhoff, Shreveport, second vice president; Prof. F. A. Burnette, Baton Rouge, secretary-treasurer.

SOUTH DAKOTA HORTICULTURAL SOCIETY.

This Society held its annual meeting January 21-23. Routine business was first transacted and then the following program heard: "Home Gardening on a Town Lot," J. P. Cheever, Brookings; "Garden Notes for 1907," A. J. Glidden, Hitchcock; "Market Gardening," H. H. Stoner, Highmore; "Tomato Culture for Market and Home Use," Thomas A. Hobart; "Shelter Belts," M. P. Beebe, Ipswich; "Street Trees," Geo. H. Whiting, Yankton; "Shelter Belt Experience," Geo. L. Carco, Bradley; "The Russian Olive for Ornamental Hedges," C. B. Chambers, Faulkton; "Prairie Tree Planting," A. W. Krugar, Groton; "Windbrakes and Shelter Belts for Farm Houses," Iver Eitrem, Colton; "Shade Trees for the North," F. J. Hutchins, Huron; "Forest Tree Planting in the Black Hills," C. V. Gardner, Piedmont.

President G. A. Tracy read his address and other speakers followed.

NEBRASKA HORTICULTURAL SOCIETY.

The thirty-ninth annual meeting of the Society was held at Lincoln, Jan. 21-23, Vice-president Charles L. Saunders presiding. Papers were read by J. D. Ream, A. J. Brown, G. A. Marshall, L. O. Williams and others. These papers and the discussions they provoked were excellent.

The new officers elected were: President, Chas. L. Saunders, Omaha; first vice-president, C. H. Green of Fremont; second vice-president, J. D. Ream of Broken Bow; treasurer, Peter Youngers of Geneva. The secretary is to be chosen by the board.

ST. JOSEPH HORTICULTURAL SOCIETY.

At a meeting of the St. Joseph Horticultural Society held at St. Joseph, Mo., March 28, an address was made by an expert from the United States Department on the subject of Spraying. The meeting was attended by fruit-growers from all parts of northwestern Missouri and northeastern Kansas.

REPORT OF ILLINOIS STATE HORTICULTURAL SOCIETY.

The annual report of the Society is a complete and valuable book. It contains numerous papers and much desirable information. The report shows the Society to be active and progressive.

CONVENTION MATTERS.

THE OFFICIAL HEADQUARTERS.

The Plankinton Hotel has been selected by the Committee of Arrangements as the headquarters of the American Association of Nurserymen at the forth coming Convention to be held in Milwaukee, Wisconsin, June 10th, 11th, and 12th.

The Committee could not have made a better or wiser selection. No other hotel in Milwaukee can take care of our Association as well as the Plankinton nor offer as large and commodious rooms for the meetings and exhibition purposes and the terms for sleeping rooms have been made as reasonable as could be desired. They are large, comfortable and well furnished.

The Plankinton is situated on the Main Street of Milwaukee and right in the heart of the city. Electric car lines to all parts of the city either pass the door or are within a block or two of the Hotel.

Since our last Convention at Milwaukee the hotel has passed into new management and everything is up to date and the delegates will be well taken care of. Every convenience that the hotel offers has been placed at the disposal of the Convention. The Auditorium is a large commodious room with seating capacity ample for our requirements. Two large rooms adjoining will be used for exhibition purposes, while in a large vacant store on the ground floor of the building will be installed the heavy exhibits.

These accommodations which have been placed at our disposal will go far towards making the Convention a success.

REPORTS OF COMMITTEES.

Letters to the chairman of the various committees of the national Association have elicited the following points: None of the chairmen have a great deal to report as yet but state that later they will give more information as to what has been actually done.

Irving Rouse, Tariff Committee, reports: "Owing to the fact that there will be no Tariff Revision undertaken at Washington this season there is nothing which the Tariff Committee of the National Association can do. I have been positively assured by Floor leader Payne that the matter will not be touched by this session of Congress."

C. L. Watrous, Committee on Co-operation with Entomologists, says: "The Committee on Co-operation with Entomologists and the American Association of Nursery-

men, met in Chicago and fully agreed upon the plan of asking Congress for a national act regulating the inspection of nursery stock in inter-state commerce; the chairman of the Committee to attend to the matter of securing legislation."

The report of Thomas B. Meehan, Exhibits Committee, appeared in the March issue of this paper. G. C. Seager, Arrangements Committee, reports; "Railroads have declined to grant a concession in fares on the certificate plan owing to the fact that so many railroads have adopted a rate of 2c. per mile. Over the lines where this rate is in force the cost will be about the same as under the old concession of a fare and one-third in connection with the 3c. rate."

F. H. Stannard states that there is nothing to report concerning the work of the Transportation Committee.

SPECIAL RATES FOR THE CONVENTION

The Secretary of the National Association, Geo. C. Seager, has received the following letter in regard to railroad rates to the annual convention in June. This letter explains the present state of arrangements:

ANNUAL CONVENTION, AMERICAN ASSOCIATION OF NURSERYMEN,
MILWAUKEE, WIS., JUNE 10-12, 1908.

March 19, 1908.

Mr. Geo. C. Seager,
Sec'y American Association of Nurserymen,
Rochester, N. Y.

Dear Sir:

Referring to recent correspondence relative to reduced fares account above named occasion:

This question was given further consideration at recent meeting of this Association and, in accordance with action taken at that time, round trip rate of two cents per mile in each direction will be tendered to other Associations for basing purposes for your convention, tickets to be sold on June 6-11, inclusive, good to return leaving Milwaukee until and including June 16, 1908.

Kindly fill in carefully the enclosed blank and return same to us at your early convenience, so as to enable us to take the matter up with the various other Associations.

Respectfully,

EBEN E. MACLEOD.

Chairman Western Passenger Association.

JUST A JOKE.

Humorist—I've just written fifteen jokes about the man who doesn't advertise.

Poet—That's wrong. You should not joke about the dead.

J. B. MOREY IN POLITICS

The prominent nurseryman of Dansville, N. Y., J. B. Morey, figured strongly in a recent political struggle in his home town. It seems that one faction of the Republican party sought to prevent the reappointment of Mr. Morey as Postmaster. By clever work, however, leaders of the force to which Mr. Morey is allied succeeded in passing the following resolution at a party caucus.

WHEREAS.—In March, 1907, the President appointed Jonathan B. Morey to be postmaster at Dansville, N. Y., and thereafter at the next session of congress sent such appointment to the senate for confirmation, and

WHEREAS.—The Senate having failed to confirm such appointment, the President withdrew the same from consideration by the Senate; therefore,

Resolved, That we, the Republicans of the Village of Dansville and Town of North Dansville, Livingston County, N. Y., in caucus assembled, do hereby express our approval of the appointment of Jonathan B. Morey to the office of Postmaster at Dansville, by the President, and we heartily commend the efficient, business-like and methodical management of our postoffice, since he assumed the duties of the office.

Resolved, That we respectfully and most earnestly petition and recommend to the President and to the Senators from the state of New York that Jonathan B. Morey be appointed to the office of Postmaster at Dansville for a regular term of four years and that such appointment be confirmed by the Senate.

*Resolved, That copies of these resolutions be certified to by the officers of this caucus and forwarded to the President and to the senators from the State of New York.

There is great delight in Dansville because of the check thus given to the power of James W. Wadsworth, who has been dictator for a number of years. It seems that formerly when the reappointment of any office was prevented no fight was made. Mr. Morey was the first to show fight and to win out in a struggle against the ruling power. His triumph has wrought a great change for better in the political situation in Dansville.

A PROTEST AND WARNING.

An irate nurseryman of a western state sends us the following interesting communication regarding the actions of a brother operator. For obvious reasons we withhold names and places.

KIMBERLY, Idaho.

EDITOR NATIONAL NURSERYMAN:

One signing himself ———, is running amuck in the state of— delivering lectures, attending Farmers' Institutes and issuing copious bulletins all recounting in lurid language his own ability as a nurseryman and the general unreliability and exorbitant proclivities of all other nurserymen extant and finally winding up by stating that he has a "graft" proposition unsurpassed for quality in which latter statement we fully agree. The final agreement he ties to the festive seeker after cheap nursery product is a bundle of 1000 grafts for \$25.00. For an additional \$50.00, he agrees to come around on April Fool's Day, a year later, and instruct the agriculturalist into the mysteries of the nursery operations and with the aid of several men, hired by the farmer, and "two specially prepared and peculiarly finished spades" (he evidently intends to indicate A and B spades), which, when placed under the tree, he will thereby transplant with all the dirt and tender fibre any perfectly produced apple tree!"

As the gentleman, by the way, has no sign of a nursery at ———, as far as we can discover, and appears to be a swift bird of passage, he soon will be heard of in other regions to infest some healthy nursery section.

What may I ask in the name of The Trade are regular nurserymen to do in the face of such cut throat competition which means "each man his own nurseryman."

Trade in this section has been fair during the past season but conditions indicate very quiet business this coming year.

Yours,
A SUFFERER.

A REMEDY FOR PEACH LEAF-CURL.

Leaf-curl which for so many years has been destructive among peaches can at last be successfully treated by spraying. Prof. Taft of the Michigan Agricultural College announces the important discovery of the cure.

The solution used is 1 pound of copper sulphate dissolved in 25 gallons of water. The tree should be covered with the spray as a single bud escaping treatment might spread the disease. It has been found that spraying with the solution in the fall is as effective as when it is used later. It may be used at any time after the leaves fall till just before the buds begin to swell in the spring.

In view of the rapid spread of the disease and the simple method of destroying it, every peach-grower should apply the remedy during the time between February first and the middle of March. The earlier it is done the better.

A NEW NURSERY FIRM.

W. J. and A. E. Maloney of Dansville and F. Walter Wells of Rochester have organized a three party co-partnership company under the name of Maloney Bros. & Wells for the purpose of carrying on a general retail and wholesale nursery business.

The officers are: W. J. Maloney, president; A. E. Maloney, vice-president; F. Walter Wells, Sec'y. and treas.

W. J. and A. E. Maloney were members of the wholesale firm of Thos. Maloney & Sons which was indeed a very successful firm. Thos. Maloney having retired from business sold his interest to F. Walter Wells of Rochester, N. Y.

Mr. Wells has been identified with Green's Nur. Co. for seventeen years. Some few years ago when Green's Nur. Co. was incorporated Mr. Wells was elected secretary and treasurer in which capacity he has acted ever since, and during these years he has proven himself to be one of the best catalogue men in the nursery trade.

This company taking over the nurseries of Thos. Maloney & Sons have better than 1,000,000 trees under cultivation and expect to make a plant of 500,000 this spring.

Maloney Bros. are to be congratulated on associating with them such a valuable man. W. J. and A. E. Maloney have had extensive experience in the nursery line. They are good, shrewd business men, and with a combination like this the new firm ought to be a financial success.

Mr. Wells has leased the Lester Schwingle house on Seward street where he will move his family June 1st next.

OF VALUE TO NURSERYMEN.

"How to Have Roses" is the title of a booklet written by William C. Barry and issued by the Mount Hope Nurseries of Rochester, N. Y. It is a reprint from the *Country Gentleman*, issues of January 2 and January 9, 1908. In the middle of the book are four half tones of the best varieties of roses. These add greatly to the beauty of the little pamphlet. The descriptions of the general classes and of the individual kinds are clear, concise and helpful to one seeking good information upon roses. The booklet is from the press of the Post Express Printing Co. and is conservative in style. Altogether, the descriptive matter and the typography of the book are delightful.

"Proceedings of a Congress of Horticulture held at the Jamestown Exposition, September 23, 1907." Linen bound: 108 pages, price: 25 cents.

This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by horticultural authorities as one of the greatest Horticultural meetings ever held in a single day.

For copies address H. C. Irish, Sec'y., National Council of Horticulture, Mo. Botanical Garden, St. Louis, Mo.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., APRIL, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.
Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
National Inspection Law—Hon. Orlando Harrison, Berlin, Md.
Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.
Program—R. C. Berckmans, Augusta, Ga.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATION

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

ON PLANTING CAREFULLY.

It is a common practice for all retail nurserymen to send out directions to their patrons telling them just how to handle the stock when received, so that it may be planted without injury or loss of vitality. These directions are generally sound, though brief. We wish to call attention to their importance. In handling trees in a large way, there is a great tendency on the part of the workmen to look upon them as lifeless bits of wood, instead of regarding them as living individuals, and subject to devitalization in proportion as they are carefully or carelessly handled. We often see trees, after set in orchard, stand in a dormant condition for a long time without pushing a bud or developing a leaf. About mid-summer when growth should cease, and the ripening processes begin, then these newly planted trees begin to show signs of activity. This condition is brought about by injury to the tree, either in the storehouse, in the fumigating house, during transportation, or during the planting process. The nurseryman will be conserving his own interests and extending his business, when he exercises the greatest possible caution in connection with the careful handling of his stock. Every workman should be impressed with the fact that trees are devitalized when exposed to sun and wind, and may be killed by over-exposure. The purchaser will be favorably impressed when directions for the careful handling of the trees are set forth in an emphatic manner. Let us constantly remember that we are handling live vegetable tissue in the handling of nursery stock. We are not handling inert manufactured articles.

ORCHARD TILLAGE.

Nurserymen are often asked for advice by planters as to the best methods of handling their orchards. "Shall I till the orchard, or shall I lay it down to sod?" "Shall I cultivate it clean, or shall I grow crops in it?" These are all important questions. They cannot always be answered directly, and without qualification; for each is more or less associated with the special conditions which surround the orchard. In broad, general terms, there is no hedging on the proved fact that tillage in the long run gives larger returns, and greater profits, under average conditions, than any other orchard method practiced at the present time. We may lay this down as a general principle. If, however, the orchard is located on such a site as to make tillage impracticable by reason of surface washing, and the necessity of surface protection, then some other system must be considered. The systems that are feasible include the mulching method, in which the cover is hauled in and spread over the ground, or it may include a method by which the cover is provided by the growing crop. In general, this latter method in the cover-crop system is the most feasible. Without discussing the subject exhaustively, the orchardist may assure himself that no system that does not treat the orchard tree itself as a sufficient crop under the soil will be successful; and that, secondly, tillage that releases native plant-food and is supplemented by artificial plant-food will in the majority of cases give the greatest return; and thirdly, that mulch or sod cultural methods are feasible and practicable in proportion as they are systematically and intelligently carried out.

ILLNESS OF PROF. JOHN CRAIG.

Nurserymen in the country at large will regret to hear of the illness of Mr. John Craig, Editor of this magazine and Professor of Horticulture at the College of Agriculture, Cornell University. For some time past, Prof. Craig has been suffering from acute stomach trouble. In hopes of obtaining relief, he sailed with his wife and son for Egypt on the first day of February. The voyage was rough and uncomfortable for the sick man who suffered considerably. He had thought that the fine winter climate of Egypt and the change of scene would benefit him. It was found necessary, however, to give up this trip. Some days were spent at Genoa, Italy in recuperating from the effects of the voyage.

At present, Prof. Craig is at Lausanne, Switzerland. The services of a skilled surgeon have been secured and an operation will be performed to bring relief and cure to the patient sufferer.

A NEW PUBLICATION.

The NATIONAL NURSERYMAN takes pleasure in calling attention to a new publication, *The Market Gardener's Journal* of Louisville, Ky. This paper was established in 1907 and sent out its first number on August 7 of that year. It is a business paper for business growers in all sections of the country. Market gardeners, Truck Growers and Growers of Fruit will find it especially valuable. Its circulation is large and enables it to keep in touch with all branches of the trade.

No paper has yet entirely covered the field represented by the *Market Gardeners' Journal*. Although only six months old, the paper is handling its work admirably. There are in it an abundance of practical suggestions and a great variety of valuable articles and paragraphs. The publication is essentially practical and helpful. The NATIONAL NURSERYMAN wishes the *Market Gardeners' Journal* all success and prosperity.

REPORTS OF COMMITTEES.

We have asked the chairmen of the important committees of the American Association of Nurserymen to present in advance of the annual meeting brief reports of progress. These reports do not aim to cover the entire work of the committees, they merely draw attention to the duties of the sub-officers of the Association. The members are asked to co-operate in the most generous way possible, so that the work of the Association may be furthered in the fullest measure. The work of some of these committees is most important. All are aware of the effective work of the Transportation, Legislative, and some of the special committees appointed. It is to be remembered that the chairmen of these committees desire at all times assistance and suggestions from the members of the Association. The duties of the chairmen are brought forward this issue for the purpose of giving our members an opportunity of aiding them.

"PA PAJOSSELYN" AS THE "MUSIC MASTER."

There is an old Grecian legend about a musician called Orpheus, who played most wonderfully upon the lyre. The lyre was quite the thing in those days. So marvellous were this music master's abilities that when he played, sticks and stones sprang from the ground and followed him. The Pied Piper of Hammelin made all the rats in the village follow him as he played upon his flute. But these enchanters are dead and gone.

In their place, however, is the smiling and jolly "Papa Josselyn" so well known to most of us. "Papa" can show "the ancients" a thing or two when it comes to music. He has discarded the poetic lyre and the soft-breathing flute for the PIANOLA. He produces the most marvellous melodies with his feet—and the Pianola. That he can charm with his music and thus rival the ancients can be seen from his letter.

"Never had anything of the kind in my life that was such a comfort. One of our skilled musicians told somebody the other day who told somebody else who told somebody else, who told me that I played like an artist. I have already begun to swell up with my own performances because I notice that when I play the 'Dying Poet' it sets the whole family to weeping. If the 'Kiss' waltz is played the hired girl in the kitchen dances and throws her arms around the hired man. If I execute the 'Charge of the Light Cavalry' all the cats in the house fly to the garret. Our old horse John will come flying home at a 2:20 gait, no matter how far from home, when I play 'Just Bring the Wagon Home, John.'"

A VISIT TO R. G. CHASE & CO.

The Editor and Mr. C. L. Yates of Rochester had the pleasure of inspecting the office and cellars of R. G. Chase & Co., Nurserymen of Geneva, N. Y. on March 14th. O. G. Chase, a junior member of the firm, pointed out the various things of importance and interest. Shipping has begun in a small way with them but they are not as busy as they expect to be. The packing room was the scene of activity and bustle. The most noticeable point about their methods of packing and shipping was the system with which these were performed.

The cellars are so arranged that the trees taken from them to fill an order are easily and quickly assembled and then forwarded to the small-stock packing room. This room is the final assembling room for the complete order. From here the order is carried, boxed and ready for hauling to the station.

The three main cellars are of stone and wood and are naturally of about the right dampness to preserve the stock. Packing the roots with moss was found to be a useless expense and trouble. Two of the cellars are for large stock, fruits and ornamentals and the third for shrubs, etc.

The firm has issued a fine catalogue for the present year. In make-up, illustrations and typography in general, it is exceptionally fine.

Business Movements and Activities.

Judge Heisley, in the Supreme Circuit Court set aside a recent jury verdict and granted a new trial in the case of W. A. Manda against the city of Orange, which condemned part of Manda's property for its water-line right of way. A substantial price was offered Manda for the tract, and when he refused the offer a commission was appointed to fix a proper price and did so, setting \$700 as the figure. Manda appealed to the Supreme Court and a couple of months ago a jury said the property should be valued at \$1600 instead of \$700. Manda was satisfied with this, but Orange was not and asked for a new trial. The argument came up before Judge Heisley on Tuesday and today he granted the request.—Newark, N. J., *News*, January 23.

The White Elm Nursery Co., of Watertown, Wis., have removed their entire office outfit to Oconomowoc, Wis., where their branch office was formerly located. They have also discontinued the office of the Hartland Nursery Co. at Hartland, Wis., which they purchased some time ago. Please change your mailing list so that everything intended for either company shall be sent to White Elm Nursery Co., Oconomowoc, Wis.

L. H. Mead representing the Shatemuc Nurseries of Barrytown, N. Y., in Connecticut recently called at our business office. The Shatemuc Nurseries make a specialty of reconstructing old estates.
NATIONAL NURSERYMAN PUB. CO.,
Rochester, N. Y.

The Homewood Nurseries, Conway, S. C., E. S. Cultra, Proprietor, will discontinue the growing of a general line of stock. Attention will be given entirely to the growing of roses.

The Cedar Hill Nursery and Orchard Co., Winchester, Tenn. is not only one of the largest but also one of the oldest in that section of the country. Lately this company has been involved in financial troubles. Hugh Morton, the trustee, will continue the business in the interest of the creditors. It is expected that within one year the firm will be on a sound basis again.

The newly erected establishment of Edwin Tibbetts, Vassar, Mich., was badly damaged by fire on February 15. The loss was about \$3,000 only \$1,100 of which was covered by insurance.

The Rapp Horticultural Building Co. has been incorporated by Roy I. Rapp, William J. McCormick and William C. Lange. The first two gentlemen reside in New York, the last named in College Point, N. Y. The firm has a capital stock of \$10,000.

The Chico Nurseries of San Francisco will auction off a lot of fruit and ornamental trees, which though sold to customers they were unable to deliver.

W. F. Heikes of the Huntsville Wholesale Nurseries, Huntsville, Ala., has been reelected president of the Alabama State Horticultural Society.

Theo. DeVries and C. L. Cochran bought twenty acres of land near Angleton, Texas and have begun to establish a nursery. They will make a specialty of citrus fruits and ornamental trees.

Mr. George C. Perkins, of Jackson & Perkins Co., Newark, N. Y., sails for Europe on April 15th, on the White Star steamer, "Majestic." Mr. Perkins will be in Europe until mid-summer and expects to visit the leading places of horticultural interest in Belgium, Holland, Germany, France and England.

KEEP IT UP.

Keep sending me your paper, Yates,
And keep my ad agoing too.
Your journal has news from all the states
I always read the whole thing through.

You know my money's coming hard,
But now, I'll tell you what I'll do,
I'll send you just another yard
Of advertisements fresh and new.

Just keep them running smoothly along
In your hustling paper for Nurseryman
I know that soon a current strong
Of money will flow my way again.

And then I'll pay you for my ad
And subscribe for a hundred years.
Your paper makes me corking glad
For it drives away my money fears.

ADVERTISER.

DEVELOPMENT IN SPRAY PUMPS.

Almost everyone is now vitally interested in spray-pump appliances and manufacturers are making great advancement. We call the attention of our readers to some new ideas presented in appliances made by the E. C. Brown Co. of Rochester, N. Y.

Nurserymen often have a variety of work and need a sprayer for trees as well as small stock. The Auto Spray No. 29 was designed to meet all conditions.

The illustration herewith shows the machine complete for small nursery stock, field crops, vineyard, berry bushes, and trees large



Auto Spray No. 29.

or small. For small fruits or field crops the spray arms are dropped to a horizontal position.

For orchard work the nozzle frame is removed and the tree extension substituted. This sprayer is guaranteed to deliver three gallons of solution at one stand and with pressure above one hundred pounds. No sprocket chain is used and power generated by the wheels is delivered to the pump without loss in transmission. The draft is light and two extensions are commonly operated. For small nursery stock, two or three nozzles are sometimes furnished for each row.

The wheels track three feet from center to center or as much wider as desired.

For large nursery stock there seems to be nothing better than a compressed-air sprayer and the Auto Spray No. 30 is specially adapted because the pump may be operated at will and a high pressure constantly maintained.

The makers of the Auto Spray line are offering, this year, the *Atomic* nozzle which employs new and novel features. This nozzle has capacity equal to a one, two or three point cluster



Atomic Nozzle.



Auto Spray No. 30.

accomplished by merely changing the aperture disc. An internal adjustment regulates the flow of solution to the nozzle aperture so the spray is reduced to the greatest degree of firmness whether large or small aperture disc is used. This nozzle also delivers the spray at wide angle spread or concentrated for long distance work as desired and by simple adjustment.

ASSOCIATION MATTERS.

PRESIDENT HILL'S REMINDER.

Fellow Nurserymen:

It is greatly desired that the forthcoming meeting be attended by all the leading nurserymen, florists and manufacturers of nurserymen's supplies in the United States, and it is none too early for you to begin laying your plans to be present. Its success depends upon the active and energetic support of just such men as yourself.

Mr. Meehan, chairman of the Committee on Exhibits, aided by Mr. Kelsey and Mr. Bernardin, expects to completely fill the large and commodious exhibition room generously tendered them by the Hotel Plankinton. This feature of our annual meeting is becoming more important and valuable each year, and much of your time may be profitably spent in this department. The gentlemen of this committee represent distinct and separate sections of the country. We may confidentially expect them to have a more extensive exhibit this year than last, which was the best in the history of the association.

The Committee on Legislation of which Mr. Pitkin is chairman, as well as that of uniform inspection headed by ex-president Orlando Harrison, and various other committees will have interesting reports which you can ill afford to miss.

The Chicago, Milwaukee & St. Paul R. R. Co., will run a special train from Chicago to Milwaukee on June 9th for the accommodation of the nurserymen and their friends. It is hoped that special cars forming parties from the east or south will be attached to this train. Full information regarding it however, will be mailed you by Mr. Seager or published in the Journal.

I urgently request that you now begin making plans to attend this meeting, and give to it your individual active support.

A TIP TO NURSERYMEN

You will find it to your advantage and comfort to stop while in New York at the New Amsterdam Hotel. The NATIONAL NURSERYMAN can recommend this hostelry and takes pleasure in doing so. All the comforts and conveniences you expect and more are found here. You will meet your brother nurserymen there.

CATALOGUES RECEIVED.

Trade list for Spring of 1908 from F. & F. Nurseries. Dept. of the American Nursery Co., Springfield, N. J.

Price list for Spring of 1908 of the Bloodgood Nurseries Dept. of the American Nursery Co., Flushing, L. I., N. Y.

The Winfield Nursery Co., Winfield, Kans. Spring of 1908. Wholesale Count List No. 2 for Nurserymen only.

Wholesale Trade list of the Morris Nursery Co., Inc., West Chester, Pa., for Spring of 1908.

"How to have Roses,—the best sorts to grow." Suggestions to Lovers of the Rose by Wm. C. Barry, Mount Hope Nurseries, Rochester, N. Y.

The 1908 "Friend" Spraying outfits. Descriptive and full illustrated catalogue from the Friend Mfg. Co., of Gasport, N. Y.

The Wm. H. Moon Co., Morrisville, Pa. Moon's hardy trees and plants for every place and purpose. Finely illustrated.

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y. General catalogue of fruit and ornamental trees, shrubs, roses, pæonies, hardy border plants and etc.

Deutsche Dahlien-Gesellschaft Sitz, Leipzig. 1897-1907. Finely illustrated.

Catalogue of J. W. Cross's Invincible Seeds and Potatoes. My motto "Value for Money." J. W. Cross, Old Grammar School, Wisbech, England.

The Storrs & Harrison Company's Catalogue of Fruit and Ornamental trees, Shrubs, Roses and Bulbs. Painesville Nurseries, Painesville, O.

Spring 1908. Wholesale Price list of Fruit and Ornamental Trees, Shrubs, Vines, Roses and Herbaceous Perennials from the New England Nurseries, Inc., Bedford, Mass.

Willadean Nurs. The Donaldson Co., Warsaw, Ky. Semi-annual Wholesale price list for Spring 1908 for nurserymen and dealers only.

1908 Price list of the Elm City Nur. Co., New Haven, Conn. Very artistic catalogue, also very interesting.

Glenwood Nurs. The Wm. H. Moon Co., Morrisville, Pa. Wholesale Trade List.

Evergreen Nur. Co., Sturgeon Bay, Wis. 1908 Catalogue and Price list.

Western Reserve Nurs. The L. Green & Son Co., Perry, Ohio. Catalogue No. 1 wholesale only.

Sherman Nursery Co., Charles City, Ia. Wholesale Price list for the Spring of 1908.

Wholesale Trade List for Spring of 1908 from Thos. Meehan & Sons, Inc., Dreshertown, Penna.

Wm. F. Bassett, Hammonton, N. J. Trade list of Hardy American Plants, Shrubs and Trees.

Leesley Bros., Nursery, Chicago. Wholesale Catalogue for Spring of 1908.

Elizabeth Nursery Co., Elizabeth, N. J. Spring 1908 Wholesale Trade list.

Surplus list of Farmers' Nursery Co., Tippecanoe City, O.

Spring of 1908. Catalogue of High Grade Flowers, Vegetables and Grass seeds for the Wholesale Trade, Stumpp & Walters Co., New York.

Trade Price list of Spring 1908, from F. W. Menery, Crescent Nursery Co., Council Bluffs, Ia.

Surplus List of Morey & Son, Dansville, N. Y.

Arthur Bryant & Son, Princeton, Ills. Surplus and Trade List for Spring of 1908.

Chase Nursery Co., Inc., Huntsville, Ala. Bulletin No. 4 showing first lot of Hannibal boxes.

46th Edition of Meehan's Manual of Outdoor Plants. Thomas Meehan & Sons, Inc. Germantown, Penna.

1908 Catalogue of Fruit and Ornamental Trees and Shrubs from Chattanooga Nurseries, Chattanooga, Tenn.

Chattanooga Nurseries. Catalogue of Fruits and Ornamental Trees and Shrubs.

The Elm City Nursery Co., New Haven, Conn. Price List, a well arranged, well-printed and handy list. Color scheme good.

Hoopes, Brother and Thomas Co., West Chester, Pa. General Catalogue; illustrations good and typography and arrangement excellent.

Ornamental Nurseries, Painesville, Ohio., H. Kohankee & Son, Prop. Wholesale trade list for Spring of 1908.

Huntsville Wholesale Nurseries—monthly list.

R. C. Peters & Sons Nurseries, Ironsides, Md. Catalogue of fruit trees.

Storrs & Harrison, Illustrated Spring Catalogue. No. 2.

Semi-Annual trade list of Painesville Nurseries, Painesville, O. No. 4.

"Burpees' Seeds that Grow" for 1908. Wholesale catalogue for dealers and seedsmen who buy to sell again. W. Atlee Burpee & Co., Philadelphia, Penn.

Roses. Catalogue for 1908. Leedle Floral Co., Springfield, O.

Vick's wholesale price list for 1908. James Vick's Sons, Rochester, N. Y.

Peter Henderson's Implement catalogue, for 1908.

Twenty-first Annual catalogue of small fruit plants. Strawberries are a speciality of F. W. Dixon, Holton, Kans.

Twenty-first annual catalogue for 1908 from Irvin Ingels, proprietor of Home Nurseries, Lafayette, Ills. Finely illustrated with views of their nurseries.

"Southwestern Horticulture." The tree planters manual and catalogue No. 1. By Texas Nursery Co., of Sherman, Texas. Very interesting catalogue with an attractive cover.

George S. Josselyn's Spring wholesale catalogue of American Grape Vines, small fruits and etc.

Hiram T. Jones of Elizabeth, N. J. Wholesale list for Spring of 1908.

From Newark, N. Y. Jackson & Perkins, Bulletin No. 2.

W. N. Scarff, New Carlisle, O. 1908 Catalogue of Profit-getting Fruits.

M. Crawford Co., Cuyahoga Falls, Ohio. 1908 Catalogue of Strawberry Plants.

The Shenandoah Nurseries, D. S. Lake, Proprietor, Shenandoah, Ia. Spring, 1908. Semi-annual Wholesale Trade List for Nurserymen Only.

Mount Arbor Nurseries, E. S. Welch, Proprietor, Shenandoah, Ia. Wholesale trade list for spring of 1908.

Woodburn Nurseries, F. W. Settlemeir, propr. Woodburn, Ore. Illustrated Descriptive Catalogue.

Henderson's Farmer's Manual, 1908.

Easterly Nursery Co., Cleveland, Tenn. Descriptive Catalogue. Fruit, Ornamental Trees, Grape Vines, Small Fruits, Shrubs, Roses, Plants, etc.

Wholesale price list from Willett and Wheelock, North Collins, N. Y.

C. M. Hobbs & Sons, Bridgeport, Ind. Semi-Annual wholesale price list for Spring of 1908.

Attractive pamphlet of the new Hydrangea, Hydrangea Arbor-escens, Var. Sterilis. "Hills of Snow." The Mary & Garnis, Dayton, Ohio.

The Monroe Nursery, I. E. Ilgenfritz' Sons Company, Monroe Mich. Surplus List, March 2, 1908.

Willowdale Nurseries. The Rakestraw-Pyle Company, Kennett Square, Pa. Wholesale Price list for Spring of 1908.

Surplus list of Mt. Desert Nurseries, Bar Harbor, Me. Northern Grown Trees, Shrubs, Hardy Herbaceous Perennials.

Surplus List from I. E. Ilgenfritz Son's Co., The Monroe Nursery Monroe, Mich.

Bulletin No. 1, Mount Arbor Nurs., E. S. Welch, Shenandoah, Ia.

Wholesale Trade List of Nursery Stock, from Schaum & Van Tol, The Hansa Nurseries, Boskoop, Holland. Sole Agents, McHutchinson & Co., 17 Murray Street, New York.

WHAT OUR ADVERTISERS AND SUBSCRIBERS THINK OF US. Gentlemen:

We desire to express our appreciation for the way we were represented in your last issue. It appears that all competing firms had equal opportunity.

We have designed, and are just putting onto the market a new spraying Nozzle, not intended to take the place of the "Friend," but to meet new requirements. Its prospects are very promising. It is called the "Friend Angle." It possesses many of the attractive features embodied in the construction of the "Friend." In some ways it is an improvement over it. Men who have seen it and have tried it predict that it has a great future. We desire to make mention of it in your next issue. The Engravers are slow in getting out our illustrations. When they are out, we expect to be ready for business. Our patent claims on this Nozzle are also promising.

Enclosed find matter regarding our new Nozzle, which we desire you to use in your next issue with a four inch space. We trust that you will give it a good showing.

Thanking you again for your co-operation with us so far, and for the manner in which you displayed our various outfits in your paper, we are,

Yours very truly, "Friend" Mfg. Co.

NATIONAL NURSERYMAN PUB. CO.,

FREEMPORT, ILL.

Dear Sirs:

I herewith send \$1.00 to pay my subscription to your paper for the coming year. I enjoy the paper greatly and appreciate the pictures printed from time to time. It keeps me in touch with my brother Nurserymen which is a great advantage as well as a wonderful pleasure. Wishing you continued success, I am,

Very respectfully yours,

JOHN M. WISE.

NATIONAL NURSERYMAN PUB. CO.,

BRENNHAM, TEXAS.

Dear Sir:

Enclosed please find \$1.00 for renewal to your excellent journal. Wishing for the NATIONAL NURSERYMAN success and prosperity, I am,

Very truly yours, W. C. YATES.

March 18, 1908.

National Nurseryman,
Rochester, N. Y.

Gentlemen:

Whether it was a Comet, Sun Spots, a Wall St. Water Spout, or an Aurora Borealis, or a culmination of Causes, that brought about a reversal of prosperity, the Effect was to set "57 varieties" of shivers creeping down the business spine of the country.

We are recovering. Don't go short on the United States. An enterprising people in a productive country, will pay dividends.

We produced over Ten Billion Dollars actual wealth in 1907, which must go to market. Some goes thus:

\$100,000,000 carried abroad annually by American tourists and forgotten.

\$75,000,000 sent home every year by our foreign born working men.

\$300,000,000 being expended on foreign soil, to build a canal, with no U. S. Ships to sail it.

\$200,000,000 per year, paid to foreign steam-ship lines to carry our own products to market. Congress seems to think this good policy.

(Incidentally, we export a few "American Beauties" at so much per.)

What other country can match us? Great is America! We can produce the wealth, if we keep busy.

Our mill is running. Send along your contributions in the shape of orders. *You will want the goods.* Value received, guaranteed.

Yours very truly, WARD-DICKEY STEEL CO.,

W. C. DICKEY, Secy. and Treas.

Advertisers all remind us

We, too, can become quite rich,

And departing leave behind us

Automobiles, yachts and "sich."

—KANSAS FARMER.

January 18, 1908.

Mr. S. J. Verhalen,

Marshall, Texas.

Dear Mr. Verhalen:

I have your letter returning correspondence of Dawson and Berckmans. Referring to your slip attached to Dawson's letter asking if "apples pear, cherry, plum, etc., would not also be as tender as privet for the first few years," etc. Certainly they would. I believe a block of Alabama ice is as cold as a block of state o' Maine ice of the same size, and that the Alabama ice would require as much sunshine to melt it as the other. My idea is that the whole thing is a notion. I do not believe that a Baldwin apple, a Hydrangea or a privet plant grown in Canada, Texas, Florida or anywhere else, is hardier or less hardy than the same variety grown in any part of the world. I think it is wholly a question of variety and allowing the plants to properly mature; in other words, the hardiness is all in the hands of the Lord; of course the Lord with the help of the other folks, now and then creates a variety entirely distinct, which is more or less hardy than another. Take for instance the Magnolia G. F., I do not believe there is any way known to mere folks on this earth by which the Magnolia G. F. can be made to stand more frost than it will stand, I believe that a Magnolia G. F. grown in Boston, or in Canada (if it can be grown there) is no more hardy than a Magnolia G. F. grown in the Gulf states. I do not believe there is any way to make a Baldwin apple tree take to a hot country, I don't care where you grow it or how you grow it, and I believe a Baldwin apple tree well grown in Alabama (if it can be done) is as hardy and as suitable for planting in a cold country as a Baldwin apple tree grown in that country, provided always these plants are allowed to mature in nature's way, and are not taken out of the ground until everything in nature is right and then that the plants are handled intelligently.

A dozen years ago we had an order for the Shady Hill Nursery Co., of Boston, for several thousand roses. The order was booked with the understanding that the roses would be delivered in spring, but along the first of October we received a telegram from them asking us to forward by express several hundred. We ought to have refused to ship and told the Shady Hill folks they were not on to their job, but fool like we worried around, and worked hard, dug the poor half green plants and shipped them. Of course these roses couldn't have been worth a cuss, they were not mature, some varieties were in full growth and it ought to have been "agin" the law to take them out of the ground.

I cannot back up my opinion with any authority, I may be wrong, but I don't believe it. It is a matter I have never heard discussed by people who know, and I would like to hear it thrashed out.

I will here set down a few of the things I do know: apple, pear and plum seedlings planted by the American nurserymen are largely grown in France. The Minnesota nurserymen, the Canada nurserymen, the nurserymen in Texas and southern California all use seedlings from the same bed, and that bed is located near Angers, France, where they rarely have frost; within 10 feet of the fruit tree seedling bed you will find growing the seedlings of Magnolia G. F., Cedrus Deodora and other tender plants. I am a native of the state of Maine. When we commenced the nursery business in Alabama I thought of course our southern grown plants would not do for New England, simply because I didn't know, and thought with the crowd. 'Tis a pretty safe bet to make that ninety nine and ten tenths per cent of the folks who are not nurserymen know almost nothing about plants; it is an absolutely safe bet to make that more than 50% of the nurserymen know nothing about them.

After coming here I soon learned that Mr. Heikes was selling trees to the Rochester nurserymen, and I knew that the Rochester nurserymen delivered Mr. Heikes' trees up in Maine, and as a matter of curiosity we sent some of our stuff to an aunt in Livermore, Maine. We sent apple trees, plum trees, rose bushes and Hydrangea, all of our own growing. Every plant grew, they had never had trees and plants that gave as good results. I have not seen these trees for several years, but heard from them regularly for four or five years after they were planted, and I never heard of one dying,

always the reports were of the best. I had a friend in Parsons, Kansas who wanted a couple of hundred apple trees; we sent him Alabama grown trees and he will never get through talking about his success with them. It is all a question of varieties and intelligent handling.

Yours very truly,

ALABAMA NURSERY CO.

THE APRIL AMERICAN BOY.

The smiling, satisfied face which looks out from the front cover of the April *American Boy* is an index to the interesting, instructive, and pleasing matter this number contains. Jimmy Jones, Pirate; Four Boys on the Mississippi; and That Dillingham Boy, continue to delight their readers. Mr. Weir's fine serial, Canal and Jungle, is regretfully concluded. Among the shorter stories are: The Poetry of Steeples, which tells of how one man's heart was in his art; How Karl Got Even, is a humorous April 1st story, showing that the biters do get bitten sometimes, and Fooling Father, the moral of which is that fathers are not as often fooled as their sons think. Interesting articles are: A Poor Boy's Country; The Origin of Easter; The Devil's Bible; A Few Hints on Golf; The Boy on His Muscle; A Wonderful Educational Scheme; April in the Garden, and The Boy's Poultry Yard. The boys who desire to have clean, healthy bodies will find Talks with the Doctor; Some Secrets of Cleverness, and Destroyers of Boys, unusually interesting. Forty Stunts in Magic for Amateurs and Trapping Hints for Boys contain many things for boys who enjoy mystifying their friends and those who delight in capturing animals. Every one of the regular departments will well repay the reading of them. 82 illustrations. \$1.00 a year. The Sprague Publishing Co., Detroit, Mich.

THE WISDOM OF EXPERIENCE.

There was no doubt in the minds of the Hobart family that young James had a remarkable gift. It remained for an obscure uncle from the Cape to drop a word of caution and of worldly wisdom.

"You say he's wonderful far-seeing, and can tell folks just how things are going to turn out?" he inquired.

"Yes, it seems so," said James's adoring mother.

"Well, now, if you want him to be the most onpop'lar man anywhere round, you just let him foretell and prophesy and forecast," remarked the old uncle, grimly.

"If you want him to keep a few friends you must shunt him off onto some other track. Let him work out sums in his head. That's a harmless practice."

"But why?" faltered the mother.

"Just this," answered the authority from down on the Cape. "When he prophesies things'll go wrong and they *do* go wrong, the heft of the blame'll be laid straight on his shoulders. When he says they'll go right, and they *do*, folks'll be too busy enjoying themselves to remember your James. And when he says they'll go wrong and they go right, they'll call him a fool. Now I'm above seventy, and you mind what I tell ye!"—*The Youth's Companion*.

HARDINESS OF SOUTHERN GROWN TREES

Nearly every newspaper in horticultural lines and certainly every teacher and experimenter in the agricultural institutions of the country, is asked over and over whether trees of given varieties grown in the South are as hardy as these same varieties grown in the North. To some persons this is a very important question, but to the experienced grower it has little weight because, he realizes that a variety does not readily change its constitution and make-up under the influence of environment, and if hardy it remains hardy, and if tender it retains this characteristic. He also realizes that it is more a question of condition of wood, in other words stage of maturity and ripeness, than anything else.

OF INTEREST TO NUT GROWERS.

Thomasville, Ga., was selected for the inter-state meeting of nut growers of the eastern Gulf Coast. The meeting was so well attended that another is planned for Monticello, Fla., about mid-summer. Both of these towns have large nut orchards in their surrounding territory.

Dr. Morris, of New York, at the Jamestown convention of the National Nut Growers' Association, quoted a friend as having said that "the man who develops the hickory will be a public benefactor." Dr. Morris said that he had agreed with that proposition ever since he was a boy. He then thought every man who raised good hickory nuts was a public benefactor. Boys in general will endorse this sentiment.

The Texas Nut Growers' Association recently held their semi-annual meeting at Abilene. The State Agricultural Department will publish the proceedings as a bulletin.

During the past six years the nut growing industry has been revolutionized. It is now well established in various localities upon a scientific and sound commercial basis. When followed in the light of recent experience, it opens for the farmer or capitalist a most inviting field.

The proceedings of the Jamestown convention of the National Nut Growers' Association will be ready for distribution about April 1.

Owing to the drought, the Texas pecan crop was seriously injured during the past season. The nuts failed to attain their usual size.

The pecan crop of 1907 was less than a fourth of the usual yield. The shortage was general throughout the entire pecan-producing belt.

MILTON, OREGON, March 13, 1908.

THE NATIONAL NURSERYMAN,
Rochester, N. Y.

Gentlemen: We herewith hand you our check for two years' subscription to your valuable magazine. We find many helpful hints in it for our work.

The past season has been one of the best we have ever seen. The demand for nursery stock never was better, or so great. The Fall and Winter have been ideal for handling stock every day nearly, and our spring planting has been largely done. We see no reason why the season before us will not develop the business of the past year, and from indications will even surpass it.

Wishing you success, and prosperity,

We are very truly, A. MILLER & SONS.

THE NATIONAL NURSERYMAN,
Rochester, N. Y.

Gentlemen: Enclosed please find \$1.00 to renew our subscription to the NATIONAL NURSERYMAN for another year. We are well pleased with the paper and could not do business without it.

Very truly yours,

McKAY NURSERY CO.

Gentlemen:

We are in receipt of the September number of your excellent paper, and would like to have you enter our subscription for two years. Enclosed herewith find price.

Yours very truly,

THE NEW ENGLAND NURSERIES, INC.

"I like the NATIONAL NURSERYMAN tiptop."

HOMER H. NICHOLS.

"I would not be without your valuable paper."

B. BERCHLER.

"We enclose a dollar for your valuable paper. Would not be without it. Your January number was a fine one."

THE GRANGERS' NURS.

THE WINFIELD NURSERY CO.

Winfield, Kansas, yet have to offer 1-2 and 9-16 inch **Elberta**, a few **Speciosa Catalpa**, some fine, well grown **Shade Trees** and a small quantity of well home grown and **Imported Mahaleb**.
Watch our future advertisements.



The Winfield Nursery Co.
WINFIELD KANSAS

PEACH TREES IN ALL GRADES

Twenty varieties including Elbertas, Early Crawford, Late Crawford. Clean, healthy stock, no scale or root gall. Extra nice stock.

PATRICK WELCH,

Waterloo, N. Y.

TREES! TREES!

Get our prices before ordering elsewhere. Over 300,000 Scions to offer. Nurseries at Carrollton and Jerseyville, Ill.

JOHN A. CANNEDY N. & O. CO.,
Carrollton, Ill.



NEW AMSTERDAM HOTEL

Rates \$1.00 and upwards per day.

Fourth Ave. & 21st St., New York City

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:

Ironshire, Md.

Telegraph Office:

Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

WILLIS NURSERIES

Ottawa, Kansas

Offers for the Spring of 1908 a general assortment of Nursery Stock.

An especially fine lot of

ROSES

in all the leading kinds

Black Locust and Osage Orange Hedge in all grades.

Stock is in storage and shipment can be made promptly.

Let us price your list of wants for Spring.

WHITE PINE SEED

1907 CROP

Guaranteed Absolutely Pure. Collected by ourselves in Northern Wisconsin. Also

PINUS BANKSIANA

If in need of any, write for prices, stating quantity.

EVERGREEN NURSERY CO.

STURGEON BAY, WIS.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees, Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seedlings, including Catalpa Speciosa. Small Shrubs for transplanting. Special prices quoted on Snowballs, Spirea Van Houttii, Revesii, and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft. Write for prices.

THE DONALDSON COMPANY,

WARSAW, KENTUCKY.

TWO HUNDRED ACRES FIELD GROWN ROSES

Own Root—Leading Varieties

SHRUBS, JAPANESE IRIS, PAEONIES

In Thousand or Car Lots

THE UNITED STATES NURSERY CO.

RICH, MISS.

SPRAY WITH SCALECIDE

IT HAS NO SUPERIOR

"Scalecide" is the only oil spray that is a combined fungicide and insecticide, controlling peach curl brown, rot, etc., while positively destroying San Jose Scale and all soft-bodied sucking insects without injury to the tree or fruit bud.

The Philadelphia Farm Journal for Nov., page 442, says that Lime-Sulphur is practically a failure in most instances and advises us to use of "SCALECIDE" as better and easier to apply.

Prof. John B. Smith of the New Jersey Experiment station in the 1906 report, page 590, says: "It is almost impossible to injure a dormant tree with 'SCALECIDE' diluted in any reasonable way and successive applications do not produce a cumulative effect because no residue remains to accumulate.

Mr. C. M. Porter of Marshallville, Texas, on September 23rd, 1907, writes: "SCALECIDE" is far superior to anything in use. It has almost completely exterminated the scale. Everything considered it is the cheapest.

You will say the same after giving "SCALECIDE" a fair trial.

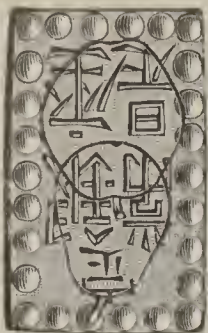
DO NOT DELAY SPRAYING

Insect enemies are constantly at work and your trees may be ruined beyond recovery by delay. Order a barrel now. 50 gallons at \$25.00 makes from 800 to 1,000 gallons of spray costing 2 1/2¢ to 3¢ per gallon anywhere east of the Mississippi and north of the Ohio Rivers. Smaller packages if desired. Drop us a postal card mentioning this paper and we will send you free sample and full information. Ask for Booklet B.

B. G. PRATT COMPANY,

Mfg. Chemists, 11 Broadway, N. Y. City

When writing to Advertisers mention The National Nurseryman.



HEIKES'-- HUNTSVILLE --TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Spring of 1908, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock of two years old for the Fall of 1905 and Spring of 1906 counted up 250,000, and all were sold. Our stock for the coming season will exceed that of last, and our prices will be reasonable.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Alamo, Bartlett, Smith's Garber, Duchess d'Angoleme, Seckel, Flemish Beauty, Kieffer, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

WORLD'S FAIR—We were awarded a Grand Prize, a Gold Medal and a Silver Medal on our exhibits at the World's Fair, St. Louis.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

Framingham NURSERIES

We have a surplus of a few thousand each of the following varieties :

Acer tartaricum, var. ginnala, 5 to 6 ft. and 6 to 7 ft.

Crataegus crus galli, 7 to 8 ft.

Syringa japonica, 6 to 8 ft.

Hamamelis virginica, 3 to 4½ ft.

Lonicera morrowii, 1½ to 2 ft.

Rhamnus catharticus, Buckthorn 3 to 4 ft., 4 to 5 ft., and 5 to 6 ft.

Rosa setigera, 3 to 4 ft. and 4 to 5 ft.

Stephanandra flexuosa, 1½-2 ft. bushy plants.

Viburnum dentatum, 4 to 5 ft. and 5 to 6 ft.

Viburnum opulus, (High Bush Cranberry) 3 to 4 ft. and 4 to 5 ft.

Also a general line of first class ornamental stock. Write for Wholesale list and special prices on lots of five hundred or more.

Framingham Nurseries
SOUTH FRAMINGHAM, MASS.

When writing to Advertisers mention The National Nurseryman.

Mount Arbor Nurseries

E. S. WELCH, Prop.

136 Center St.,

SHENANDOAH, IOWA

A Surplus of
PLUM—Native on Native roots.

APPLE AND CRAB—all grades, over 100 varieties.

CHERRIES—Sweet and Sour sorts.

BLACKBERRIES—leading kinds, root cutting plants.

SPIREA VAN HOUTTE, 2 to 3 and 3 to 4 feet.

CRIMSON RAMBLER XX, No. 1, No. 1½, No. 2.

OSAGE ORANGE

CATALPA AND HONEY

LOCUST SEEDLINGS

One of the

**MOST
COMPLETE
ASSORTMENTS**

of General Nursery Stock in the country.

Our equipment and facilities are unsurpassed.

Ask for Spring Trade List, now ready.

Correspondence and inspection invited.

APPLE SEEDLINGS

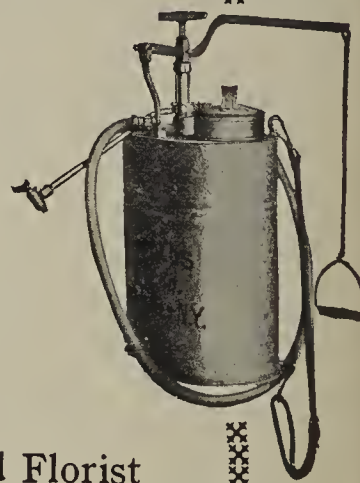
FRUIT TREE STOCKS OF ALL KINDS

Grafts Made to Order

COMPARE

Goulds Sprayers

with others — notice the difference in weight, the seamless Brass Cylinders and large Air Chambers—the ease with which all working parts can be reached, and you will be convinced that they are superior to any.



Every Nurseryman and Florist

SHOULD HAVE A COPY
OF OUR NEW BOOK

"How to Spray — When to Spray
and What Sprayers to Use."



It contains many formulas for preparing spray mixtures—when to apply them—and describes our complete line of Hand and Power Sprayers. Sent free on application.

The Goulds Mfg. Co.

Seneca Falls, N. Y.

New York, 16 Murray Street

When writing to Advertisers mention The National Nurseryman.

GRAPE VINES

All Grades.

How do you know my prices unless you ask? What is there here that you want?

Light grades for transplanting. Grape Cuttings—Concords, Moore's Early, Niagara and Worden.

Concord	Brighton	Niagara	Clinton	Pocklington
Catawba	Ives	Worden	Champion	Delaware
	Moore's Early	Martha		

Grades and quality as good as the best. Let me quote you.

F. E. Schifferli, Fredonia, N. Y.

Climbing Roses One and Two Year Plants, also a fine Stock of Clematis in three grades of the following Varieties: JACK, HENRYII, and EDWARDS ANDRE.

Get my prices.

P. W. Butler, EAST PENFIELD, NEW YORK

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees, Seeds.

Specialties: Black and Honey Locust, Mulberry, Myrobalans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.

Correspondence Solicited.

Catalogue and Prices Free on Application.

ESTABLISHED 1868

F. W. MENERAY CRESCENT NURSERY CO.

Council Bluffs, Iowa
INCORPORATED

Large stock of Apple and Crab for Spring 1908, also Cherry, Plum, Pear, Gooseberry, Deciduous Trees and Ornamental Shrubs.

Write for prices on one or more cars of Apple.

Large growers of Pæonies, 90 Varieties.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

THE NEW HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

ESTABLISHED 1859

PEACH SEED

We have yet on hand several hundred bushels of choice Peach Seed, all crop of 1907, which we offer at liberal prices and terms for immediate delivery, or for spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

WOOD LABELS FOR NURSERYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.

SOUTH CANAL STREET,

DAYTON, O.

J. F. ROSENFELD, West Point, Nebr.
wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

SURPLUS CAROLINA POPLAR

2 to 3 feet; 3 to 4 feet and 4 to 5 feet.

Write for special prices.

Special attention to dealers, complete list.

INTERNATIONAL NURSERIES
DENVER, COLO.

250,000 Amoor River Privet

Ligustrum Amurense.

Ours is the true variety, 2 1/2 to 3 feet, strong field grown plants. Also a large stock of California Privet, 2 1/2 to 3 ft.

PETER'S NURSERY COMPANY
KNOXVILLE, TENNESSEE.

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler
IT DOES THE WORK. PRICE \$16.00.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch nursery in Monticello, Florida.

H. M. SIMPSON & SONS,
Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.



Everything in
Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

Azaleas

Ghent-Mollis
and Native

Rhododendrons

Hardy Hybrids
all sizes

Boxwood

Pyramidal
Standard

Rare Evergreen Trees and Shrubs

Specimen Stock

Herbaceous Perennials OVER 1000
VARIETIES

We grow everything required for Garden, Lawn and Landscape Planting and furnish complete lists. General catalogue and trade list on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

Send list of wants for lowest prices
f. o. b. here.

Goossens & Hellemons, Oudembosch, Holland

(Formerly C. ESCHWEILER)

Growers of Hardy Ornamentals, Forest and Avenue Trees, Conifers, Evergreens and Shrubs; also a fine line of assorted Seedlings, at reasonable cost; Supply only A 1 QUALITY! For New Trade List, now issued, Address the American Agents:

AUGUST ROLKER & SONS, New York, P. O. Box 752 or 31 Barclay Street

WILLOW CUTTINGS

100,000 Gold Bark Willow

60,000 Laurel Leaf Willow

40,000 Wentworth Willow

40,000 Cardinalis Willow

Silver Maple, fine straight trees, all sizes

Write for Prices. AURORA NURSERY CO., Aurora, Ills.

Nurserymen's Stock Books

Revised Edition; 68 pages, 16x21 inches. Printed on good quality ledger paper, and bound in tough tag board.

PRICE \$2 00. Sample Leaf on Application

SCRANTON WETMORE & CO.

ROCHESTER, N. Y.

W. FROMOW & SONS, Windlesnam, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1907, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

Young Plants for Lining Out

New price list. This, our Annual Offering, is too well-known among nurserymen to need comment here. As usual the important point is to *place your order NOW*. Many other sizes are already exhausted.

These plants are of the usual high quality—healthy, stocky and well-rooted—and represent a mighty good investment for the nurseryman. A season's growth sends their value far above our present price. The list is at least worth having. *Do it now* or the other fellow may get just what you want. Remember—ORDER NOW.

'Red Star' Raffia

So sure are we of its uniform, good quality that should any prove otherwise we will replace it. *We assume all risk.* 'Red Star' brand is the best for the money. Sample free.

French Crab Seed.

A few bushels still unsold. Write promptly if you wish any.

Have You Received a Copy ?

In addition to quoting extra large specimen stock, our new Spring Wholesale Catalog (for the trade only) lists an immense assortment of hardy, ornamental trees, shrubs, evergreens, vines and herbaceous perennials. *And it is the better grade of stock.* No dealer can afford not to have this catalog on file. Ask for a copy ?

Thos. Meehan & Sons, Inc.

300 ACRES OF TREES AND SHRUBS

Dreshertown Box T.

Penna.

TAKE NOTICE

500,000 PEACH TREES FOR FALL, 1908

ALL THE LEADING VARIETIES
CAN SHIP IN CAR LOAD LOTS

APPLE, PEAR AND PLUM, one and two year old

CHERRY, one year, fine assortment

CAROLINA POPLARS, MAPLES,

ARMOR RIVER and CALIFORNIA PRIVET

GENERAL LINE OF OTHER NURSERY STOCK

WRITE FOR PRICES

COMMERCIAL NURSERY CO.

WINCHESTER, TENN.

IN STORAGE

Cal. Privet, 2 year, 18 to 24 inches.

Cal. Privet, 2 year, 2 to 3 ft.

Cal. Privet 2 year, 3 to 4 ft.

Ampelopsis Veitchi, Hydrangea, Etc., Etc.

HIRAM T. JONES, Union Co. Nurseries,

Elizabeth, N. J.

2 1/2 Inch Pots

ROSES

4 Inch Pots

On own roots, summer grown, winter rested, for lining out.

Send want
list to

THE LEEDLE FLORAL COMPANY®
SPRINGFIELD-OHIO.

400 Best
Varieties

We Offer for Immediate or Spring Shipment.

CHERRY, PEAR, ROSES and QUINCES, in assorted varieties and sizes. An especially fine lot of these, and ELBERTA Peach, June buds, in small grades for lining out.

GRAFTED PECANS, 1 to 2 feet.

MARIANNA Plum MANETTI Rose stocks and PEACH SEEDLINGS, for grafting and transplanting.

Fraser Nursery Company,
(Incorporated)

Huntsville, Alabama

Tools and Requisites for Nurserymen

Ames and Rochester Tree Spades.

English and American Pocket Budding Knives.

English and American Pocket Pruning Knives.

Pruning and Snagging Shears.

Tree Labels.

Raffia.

Weaver Hardware Co.,

Rochester, N. Y.

MR. NURSERYMAN

Why not sell your stock direct to consumer through agents on commission ? I am conversant with every detail of the nursery agency business and open for an engagement on salary and participation basis. Southwest preferred.

Address ADVERTISER

In care of NATIONAL NURSERYMAN

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere.
Address,

PIONEER NURSERIES COMPANY,

Salt Lake City, Utah.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to

HERMAN BERKHAN, Sole Agent, 133 Reade Street, New York

Sole Agent for United States and Canada

When writing to Advertisers mention The National Nurseryman.

WANTED AT ONCE

A good grower of Ornamental Nursery Stock.
also Perennials. Give references.

Beaudry's Nursery Stock

1747 Railway Exchange Bldg., CHICAGO

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

EUONYMUS

Radicans 1—1 1-2 ft. and 2—2 1-2 ft.

ATTRACTIVE PRICES.

Brae-Burn Nursery - West Newton, Mass.

HORTICULTURE IN GREAT BRITAIN AND IRELAND



TWO-PENCE

WEEKLY

A High-class Illustrated Journal dealing with every phase
of Horticulture under Glass and in the Open Air.

ESTABLISHED IN 1833

PRINTED ON ART PAPER

ORCHIDS, ROSES, LANDSCAPE GARDENING, FRUIT, HARDY
FLOWERS, STOVE AND GREENHOUSE, ETC. SPEC-
IAL REPORTS OF FLOWER SHOWS,
CONFERENCES, MEETINGS, ETC.

Illustrations of New and Beautiful Flowers, Fruits,
Trees, Picturesque Gardens, Etc.

TERMS OF SUBSCRIPTION—\$3.65 Per Annum. Single Specimen Copy, 6c Postpaid
Offices: 148-149 Aldersgate Street, LONDON

Forest Trees

Seedlings and Transpl., very cheap.

Millions of Alder, Maple, Sycamore, Birch, Beech, Hornbeam, Hazel, Common
Ash, American Ash, Black Walnut, Privet, Canadian Poplar, Black Cherry, Common
Oak, Red Oak, Pin Oak, Acacia, Sweet Briar, Limes, Thorn Quicks, Elm, Red
Cedar, Abies, Arizonica, Silver Fir, Spruce Fir, Blue Spruce, Sitka Spruce, Bank's
Pine, White Pine, Scotch Fir, American Arbor Vitae, Europ and Japan Larch,
Douglas Fir, etc., etc.

Apple and Pear Stocks, Briars, and other Stocks, ready for grafting. Transplant-
ing, a specialty. All from sandy soil with excellent roots. Special prices for
larger quantities. Best shipping facilities, via Hamburg, at lowest freight.
Catalogues free. The largest nurseries in Germany. Shipments of 150 millions
plants annually.

Halstenbek, Germany, is the centre of vast nursery interests in Europe, which
supply immense quantities of Forest Trees and other Nursery Stocks.

J. HEINS' SONS,

Halstenbek No. 26, nr. Hamburg (Germany)

Victor Detriche, Nurseryman

ANGERS, FRANCE.

Grower and Exporter of
FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Mazzard,
Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora, Forest
Trees, Ornamental Shrubs and Evergreens, Conifers and Roses.

Catalogue and prices free on application.

Write direct, I have no agent.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry,
One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and
Mariana Stocks. Ask for prices.

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP
1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER
AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

Grafted Pecan Trees

THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.

Headquarters for London Planes, Tilia dasystylla. Dutch
Elms in extra fine specimens. Hydrangea paniculata grandiflora.
Silver variegated Maples.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry, N. H.

When writing to Advertisers mention The National Nurseryman.

AT AUCTION! SHRUBS AND HARDY ROSES

Beginning MARCH 31, 1908 and thereafter every TUESDAY and FRIDAY until further notice, at 9:30 A. M., we shall sell at PUBLIC AUCTION the largest and most varied assortment of HIGH CLASS FLOWERING SHRUBS ever brought to this side of the Atlantic. They embrace Rhododendrons, Azaleas, Clematis, Hydrangeas, Snowballs, etc. Also thousands of the finest HARDY ROSES; also FANCY EVER-GREENS—Box, Golden, Juniper Retinospora, etc. This elegant assortment meets all possible tastes for Landscape Effects, or Veranda, Hall, Restaurant, or Hotel Adornment—and ALL AT YOUR OWN PRICE. Don't miss this grand opportunity. First sale of the season. Handsome Catalogue at sale. We guarantee all stock first class unless otherwise stated at sale. Send for catalogue.

N. F. McCARTHY & CO.,
HORTICULTURAL AUCTIONEERS
84 HAWLEY STREET, BOSTON, MASS.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,
10,000 Peach, 1 year, 1 to 2 feet,
10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
50,000 Peach, June Buds, 18 to 24 inches.
1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON, Bridgeville, Del.

Bridgeport Nurseries

C. M. HOBBS & SONS

—Successors to—

ALBERTSON & HOBBS,
: BRIDGEPORT, IND. :

FOR SPRING OF 1908

PLUMS (large stock, all grades) European, Japan, AMERICANA, CHERRIES, PEARS, Std. and Dwf. (all grades), APPLE, PEACH, QUINCE, GRAPE, CURRANTS, SMALL FRUITS, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, ROSES, etc., etc. APPLE SEEDLINGS, FOREST SEEDLINGS, IMPORTED CHERRY, PEAR, PLUM SEEDLINGS.

Our SPADES the cheapest and best in the market.

We can supply a quantity of light grade pear, cherry, apple, peach and plum.

We also have a fine lot of C. Poplar and Ornamental plants. Unusually fine lot of Burberry. Thumbergii. Special prices on light grades Fruit Trees Polars and Thumbergii.

WANT LISTS PRICED PROMPTLY.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for WHOLESALE
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER & CO., Successors, Orleans, France

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

You Need Them and We Have Them WHAT?

WHY ALMOST ANYTHING IN THE WAY OF

Fruit and Ornamental Trees

Grafted Pecans and Pears Especially

WE CAN HANDLE LARGE ORDERS TO
YOUR ENTIRE SATISFACTION. WRITE US

ARCADIA NURSERIES

WHOLESALE—RETAIL.

J. H. Girardeau, Jr., Mgr.

MONTICELLO, FLA.

Surplus List of Specimen Trees

70 Alder, European 1 3/4 to 2 in. cal.
55 Alder, European 2 to 2 1/2 in. cal.
325 Ash Am. White 6 to 8 ft.
110 Ash Am. White 8 to 10 ft.
35 Ash Am. White 10 to 12 ft.
400 Catalpa Speciosa 1 1/2 to 2 in. cal.
60 Cypress, Deciduous 6 to 8 ft.
105 Elm, cork barked 8 to 10 ft.
60 Elm, cork barked 10 to 12 ft.

450 Mulberry, Russian 6 to 8 ft.
200 Liquid Amber 6 to 8 ft.
148 Butternut 6 to 8 ft.
50 Butternut 8 to 10 ft.
45 Black Walnut 6 to 8 ft.
36 Black Walnut, 8 to 10 ft.
2100 Maple, Silver 8 to 10 ft.
600 Maple, Silver 1 1/2 to 1 3/4 in. cal.

This stock was grown for our regular retail trade and are perfect specimens of their respective types. We will quote special low prices for early orders.

WANTED—35,000 Norway Spruce 12 to 16 or 10 to 12 inches.
Give us best cash price on what you can do.

The Cassel Nursery Company
CLEVELAND, OHIO

When writing to Advertisers mention The National Nurseryman.

Dreer Specialties for Spring 1908

Hardy Perennials

Japanese Anemones

Aquilegias

Hardy Asters

Delphiniums

Hardy Ornamental Grasses

Heleniums in variety

Helianthus, large assortment

Hollyhocks, heavy field plants

Japanese Iris in fine assortment

Paeonies Herbaceous and Tree

Phlox, best in the country

Pyrethrums, double and single

Rudbeckias in variety

Tritoma Pfitzeri and other

Veronicas, Etc., Etc.

Decorative Plants, Dahlias, Hardy Climbers, Roses
in five and six inch pots for immediate effect.

Water Lilies and Aquatic Plants, Etc., Etc.

Henry A. Dreer,

714 Chestnut Street,

Philadelphia

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery

WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices
can be quoted on all Conifers.

*HARDY ORNAMENTAL EVERGREEN and
DECIDUOUS TREES.*

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other

AMERICAN PLANTS.

*(A good stock of all hardy varieties of
Rhododendrons).*

*CLEMATIS and other HARDY CLIMBING
PLANTS.*

Transplanted FOREST TREES.

The stock is in excellent condition.

Large quantities shipped annually.

When writing to Advertisers mention The National Nurseryman.

R. DOUGLAS' SONS

WAUKEGAN NURSERIES

Waukegan, Illinois.

EVERGREEN SEEDLINGS
IN LARGE QUANTITIES

EVERGREENS FOREST TREES

Largest Stock in America, including
Colorado Blue Spruce and Douglas
Spruce of Colorado.

RARE — HARDY — BEAUTIFUL

A full line of Ornamental Trees and Shrubs.

Established 1848.

WANTED

Position by experienced nursery correspondent and sales manager. Familiar with every detail of nursery agency work from establishing a force of any size desired to packing and making collections. Best of references, Southwest or Northwest preferred.

Address "HUSTLER," in care of National Nurseryman.

"WHAT NEXT?"

Another new Spraying Nozzle,
called the

"Friend" Angle

Meets new requirements. Sprays
down into the calyx and up
under the foliage. Satisfaction
guaranteed or money refunded.

Price \$1.55

FRIEND MFG. CO.

Gasport, N. Y.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:

200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamelis Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yuca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Fruticosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.

At lowest prices. Send for trade list.

FOREST NURSERY AND SEED COMPANY,

R. F. D. 2, McMinnville, Tennessee

Colombe-Lenault-Huet,

NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous
Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE,

VERY GOOD PACKING.

WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

Wanted for Lining Out

Syringa, Indian Currant, Forsythia, Spiraea, Berberis
Thunbergii, Weigelia Rosea, Eva Rathke; Lilacs, purple,
white, Persian; Privet Armurensis; Rosa Rugosa, red, and
white; and on anything you may have in hardy plants.

BEAUDRY'S NURSERY CO.

1747 RAILWAY EXCHANGE

CHICAGO

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have
our usual supply of Cherry, One and Two Year,
that promise very fine.

While we grow Cherry in larger quantities than
any other Stock, we also have a very complete line
of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade
Trees, etc.

CAR LOAD LOTS A SPECIALTY.

OUR SPECIALTY

Burbank's Wonderful Winter Rhubarb

Plant any time from September till May. Headquarters for
California Fruits and Berries. Write for quotations on your needs.

Peach Seed in Car Lots.

WAGNER'S NURSERY, Pasadena, Cal.

Dept. A.

When writing to Advertisers mention The National Nurseryman

When writing to Advertisers mention The National Nurseryman.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR IND. Mfrs. of Planished Sheet Steel

SPAGNUM MOSS

A few carloads in bulk still on hand. In 100-lb sacks, 60c each

Z. K. JEWETT & CO., Sparta, Wis.

Poplars---Lombardy, All Sizes PEACH TREES

Leading kinds, 4 to 6, 3 to 4 ft. and 2 to 3 ft.

Josiah A. Roberts, Malvern, Chester Co., Pa.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.

NEWARK, N. Y.

Fine Assortment of PEACH

2 to 3 feet, 3 to 4 feet
and 4 feet and up

Nice clean stock.

Prices Right.

JOHN A. YOUNG

GREENSBORO, N. C.

PROBABLY EVERY ADVERTISER IN THIS PAPER has received
recently a booklet telling all about

THE NATIONAL FLORISTS' BOARD OF TRADE,
56 PINE ST., NEW YORK CITY

The Board is offering special terms on its Credit and Information
List to new subscribers who will promise to send it all their collec-
tions for the balance of the year. Full particulars given on request.

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch,
well branched and good roots, 10,000 Vinca Minor, (Grove
Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch,
one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

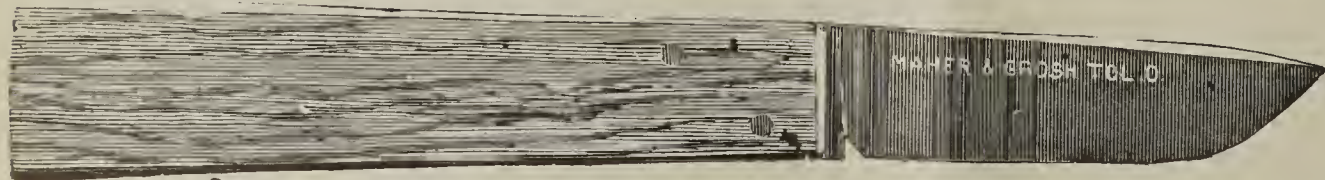
A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

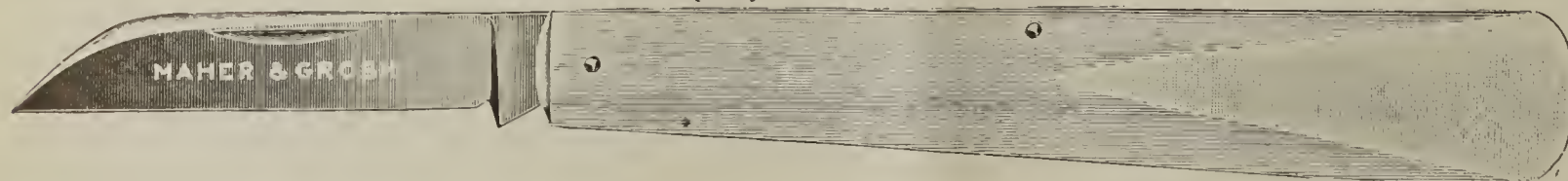
LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest
shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before
buying elsewhere.



BUDDING KNIFE No. 94. Sample by mail, 25c.; 6 for \$1.25.



PROPAGATING KNIFE No. 89½—50c. Blade Closes. You have paid 75c for a much poorer knife.

NURSEYMEN'S KNIVES

Hand Forged

Razor Steel

Warranted

Nursery Pruner - 50 cts
Pocket Pruner - 60 cts
Pocket Budder - 35 cts
Pocket Grafter - 40 cts

We Solicit Direct Trade

Send for 12-Page Special
Nursery Catalogue

90 ADAMS STREET

MAHER & GROSH CO.,

TOLEDO, OHIO

When writing to Advertisers mention The National Nurseryman.

WE OFFER TO THE TRADE

For Spring 1908

APPLE TREES	. . . . .	3/4 and up
APPLE TREES	. . . . .	5/8 to 3/4
PIN OAKS	. . . . .	3 to 16 feet
RED OAKS	. . . . .	6 to 14 feet
CAROLINA POPLARS	{ 8 to 10 ft., 10 to 12 ft., 12 to 14 ft.	
AMERICAN ASH	. . . . .	6 to 14 feet
AMERICAN JUDAS TREE	. . . . .	6 to 8 feet
WEeping WILLOW	. . . . .	6 to 14 feet
HEMLOCK SPRUCE	. Fine trees from 2 to 8 feet	
WHITE PINE	. . . . .	2 to 6 feet

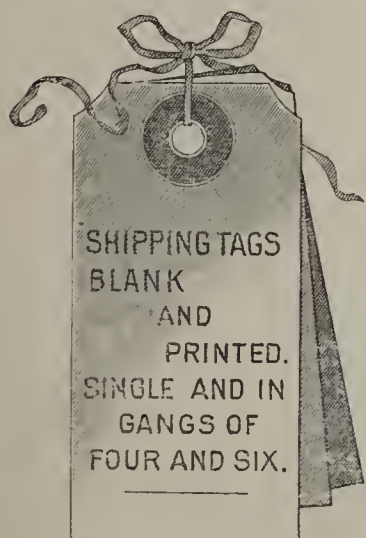
Also a large stock of Deciduous Shrubs, all sizes.
VIBURNUM PLICATUM, large stock from 1 to 5 feet.
VIBURNUM TOMENTOSUM from 2 to 5 feet.

SEND FOR SURPLUS LIST.

HOOPEs BRO. & THOMAS CO.

Maple Avenue Nurseries,
WEST CHESTER, PA.

HAve you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is



especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

When writing to Advertisers mention The National Nurseryman.

Mayfield Nurseries

"Most Northern in America"

**FRUIT AND ORNAMENTAL
TREE SHRUBS, ROSES,
VINES, SMALL FRUITS, ETC.**

**EVERGREENS AND
EVERGREEN SEEDLINGS
SURPLUS OF NORWAY SPRUCE**

We make a specialty of growing nursery stock of hardy varieties of fruit and ornamental stock that is suited and adapted to the northwest. We devote our energies to growing stock that is suited to the northwest. Dealers will find our grounds excellent for packing. Our large storage warehouses are close by the railroad. Prompt attention given to all orders from the trade.

L. L. MAY & CO.

ST. PAUL, MINN.

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varieties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.

When writing to Advertisers mention The National Nurseryman.

SURPLUS

Bartlett Pears
Keiffer Pears
Balt. Belle Roses
Q. of Prairie Roses
Silver and Norway Maples
Am. Elms

2 1/2 to 4 1/2 inches Caliper

E. MOODY & SONS,

LOCKPORT, N. Y.

NIAGARA NURSERIES,

Established 1839.



This is a photographic reproduction of the latest model horse-power SPRAMOTOR, fitted as a vineyard sprayer. A most excellent machine worthy of your careful investigation. For vineyard, orchard, potato, mustard or surface spraying. If you are interested, write for free catalogue.

SPRAMOTOR CO., 1234 Erie St., Buffalo, N. Y.

SURPLUS

We have a specially fine lot of the following stock, all first class, well grown, properly transplanted, A No. 1, on which we would be glad to make special prices.

WE CAN OFFER BY THE THOUSAND

Silver Maples, 1 1-4 to 1 1-2"
Lonicera Tartarica, 2 to 3 ft. and 2 to 4 ft.
Philadelphus Aurea, 15 to 18" and 18 to 24" heavy
Aralia Scinosa, 3 to 7 ft.
White Pine, 3 to 4 ft. and 4 to 5 ft.
American Arbor Vitae, 2, 3, 4 and 5 ft.
Ampelopsis Veitchii, 2 and 3 yrs. field grown

WRITE FOR QUOTATIONS

AMERICAN NURSERY COMPANY

SALES DEPARTMENT, 150 Broadway, New York

When writing to Advertisers mention The National Nurseryman.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 1 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,

Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem Kieffer and LeConte Standard Pears 2 yr. fine trees; Can offer 50,000 Peach Seedlings, grown from Natural Peach Pits, nice size for lining out in Nursery for budding, or suitable for grafting in the South, also a nice lot of Japan Pear Seedlings. Correspondence solicited.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Pleased to price
your list of wants
or to show you
our stock. Special
inducements
on car lots.

If you have not
received our fiftieth anniversary
descriptive catalog, send for it,
Catalogs and
Price Lists free.



WEeping LINDEN.

Roses — Hybrid
Perpetual,
Ramblers, Climbers,
Etc., in large
supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

53 Years.

1200 Acres.

44 Greenhouses.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties. Largest and most varied Collections in America. Illustrated Descriptive Catalogue (144 pages), also Descriptive List of Novelties and Specialties with beautiful colored plate of the New Hardy White Rose Frau Druschki, mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen-Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.



Bringing Down Your Game

means proper ammunition for one thing. You would not go gunning for bear with bird-shot, would you? You'd want something **EFFECTIVE**. "J. & P." stock is **EFFECTIVE** in making good deliveries and close collections.

FOR FALL AND SPRING 1908-9 we offer **ROSES**, Own Roots and Buds; **CLEMATIS**, Large-flowering and Paniculata; **TREE HYDRANGEAS**, etc., and large buyers would do well to write us now for prices on advance orders.

Jackson & Perkins Co.
Newark, N. Y.

The Geneva Nursery

Special Offer

1000	Early Richmond,	$\frac{3}{4}$ in. and up	} Write for prices
1925	"	$\frac{5}{8}$ - $\frac{3}{4}$ in. and up	
700	"	$\frac{1}{2}$ - $\frac{5}{8}$ in. and up	

Headquarters for

Fruit and Ornamental Trees, Shrubs, Berries, Phlox, Clematis, Evergreens, Peonies, Azaleas, Rhododendrons.

Roses

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

Write for our Spring Trade List if you have not received one.

Special attention given to dealers complete lists.

W. & T. Smith Company,
Geneva, N. Y.

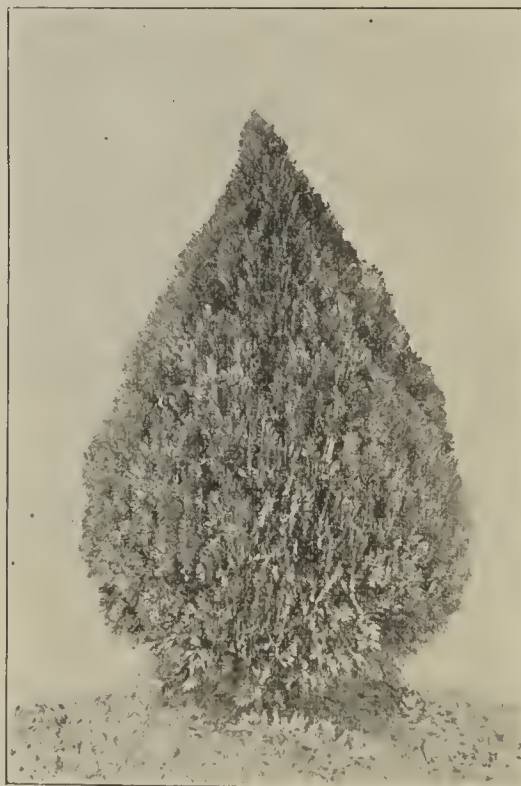
Established 1840

700 Acres

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA MEEHANII

(Hibiscus Syriacus)
(New variegated single flowering Althaea).

Field grown
DOROTHY PERKINS,
CRIMSON RAMBLER,
and **MARIE PAVIE** Roses.
AZALEA

INDICA,
CAMELLIA,
MAGNOLIA
grfl.,
WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP
POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

Apple Seedlings, Japan Pear
Seedlings, Kieffer Pear Seed-
lings, French Pear Seedlings,
Myrobolan Plum Seedlings,
Mahaleb Seedlings.

WE TAKE PRIDE IN MAKING GOOD GRADES

GRAFTS MADE TO ORDER

Apple, Whole or Piece Root

Pear, Whole or Piece Root

Our grafts are made by experienced workmen and care-
fully wrapped. Can wrap with thread, waxed paper or raffia.
Send us your list of wants and let us make you prices.

We also offer Forest tree Seedlings, Apple, Cherry,
Peach, Plum, Kieffer and Garber Pear, Shade Trees,
Flowering Shrubs, Roses, Vines, Grapes, Currants, Rhu-
barb, Asparagus.

J. H. Skinner & Co.

CAPITAL NURSERIES

TOPEKA, KANSAS

W. Van Kleef & Sons

Wholesale Growers of Nursery Stock Boskoop, Holland

Beg to announce that their
W. VAN KLEEF, JR.
is again in America call-
ing on the trade.

Address during April
and May

In Care of

Messrs. Walters & Ware

Fourteen Stone Street New York City

CATALOGUE FREE FOR THE ASKING

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

VINCENT LEBRETON

Angers, France,

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

SCHAUM & VAN TOL

Boskoop, Holland

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

UNION NURSERIES

Oudenbosch, Holland

(H. W. Van Der Bom, Director).

SYNDICATE OF PRINCIPAL GROWERS

OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of
ENGLISH MANETTI, RHODODENDRONS, Etc.
JAPANESE NURSERY STOCK, MAPLES,
SCIADOPITYS, TREE PAEONIES,
THUYA, JAP. BULBS, Etc.

BAY TREES

Pyramids Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.



“AMERICA’S GREATEST
RAILWAY SYSTEM”

The Natural Way
The Most Comfortable Route
The Quickest Time
The Best Service

-----TO-----

New York	Syracuse	Grand Rapids
Boston	Indianapolis	Niagara Falls
Cincinnati	Columbus	Detroit
Cleveland	Chicago	Montreal
Buffalo	St. Louis	Toledo
Rochester	Pittsburg	Albany

For Rates, time of trains, Pullman space, etc., apply to
any ticket agent of the New York Central Lines.



THE CHASE NURSERIES GENEVA, NEW YORK

Front cover-page of a Catalogue recently completed for The Chase Nurseries by the McFarland Organizations, Harrisburg, Pa.

— OVER

THE CHERRIES

On the other side of this sheet look like cherries, don't they? Real cherries, red and ripe, stemmed on a real branch, among real leaves. The picture is photographically true; but it is only one of more than twelve thousand photographs in the great Mount Pleasant Press collection.

This cherry picture was put on the cover of the Chase Catalogue to sell Hoy cherries. The same plate served for circulars, and for plate-book use, and it also serves as an instance of the economy of good work, rather than of cut prices. It was a suggestion of the McFarland Organizations that led to this triple use under which this fine thing was actually cheaper than the regulation tomato-can production, which is supposed to be economical.

The Chase Catalogue is well worth while considering. It was completely revised by the McFarland Publicity Service, and all dead stuff cut out. It is live, it is mighty good looking and it is doing business. The Chase people paid for the use of brains and experience and facilities and reputation, as well as for the use of type and cuts and machinery. That the combination made a less final cost than the usual catalogue which is produced with only type and cuts and machinery—and these not of the best—is not the least interesting part of the story.

For the McFarland Organizations are paid money to save money and “make good.” Getting them at your catalogue and publicity and selling and advertising work is just the same good policy as hiring a good doctor when you are sick, the best lawyer when you are sued, or the best architect when you build a home. All the cost of brainy and effective service comes out, and more, in the net result to you.

We've heard of some cold feet this spring, but it is a warm fact that every one of our planned campaigns has made good completely. Our customers don't need foot-warmers; their feet have been kept lively filling good orders.

Right now—in May—is the slickest, cheapest time in twelve months to plan and start selling catalogue schemes with the McFarland Organizations. You'll pay us more later; we'd rather work easy now than rush in the fall. The “wise ones” will make the saving. There's selling to be done, and now is the time to plan for it.

THE McFARLAND ORGANIZATIONS

J. Horace McFarland Company <i>Makers of Catalogues</i>	The McFarland Publicity Service <i>Pushers of Business</i>
--	---

MOUNT PLEASANT PRESS · HARRISBURG, PENNA.

WE OFFER TO THE TRADE

For Spring 1908

APPLE TREES	3/4 and up
APPLE TREES	5/8 to 3/4
PIN OAKS	3 to 16 feet
RED OAKS	6 to 14 feet
CAROLINA POPLARS {	8 to 10 ft., 10 to 12 ft., 12 to 14 ft.
AMERICAN ASH	6 to 14 feet
AMERICAN JUDAS TREE	6 to 8 feet
WEeping WILLOW	6 to 14 feet
HEMLOCK SPRUCE	Fine trees from 2 to 8 feet
WHITE PINE	2 to 6 feet

Also a large stock of Deciduous Shrubs, all sizes.
VIBURNUM PLICATUM, large stock from 1 to 5 feet.
VIBURNUM TOMENTOSUM from 2 to 5 feet.

SEND FOR SURPLUS LIST.

HOOPES BRO. & THOMAS CO.

Maple Avenue Nurseries,
WEST CHESTER, PA.

HAve you seen and examined
the quality of our water-
proof rawhide shipping tags
and tree labels? This stock is



especially
adapted to
hard usage
and outside
use. "Once
used, always
used." Send
for samples
and prices.

Our refer-
ences are the largest Nursery-
men in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

Burr's Specialties

for the Coming Season

PEACH TREES --- Finest grown, many
varieties.

In Car Lots.

Berberry Thunbergii --- Mostly 18'' - 24''
grade.

Berberry Seedlings---6 to 10 inches.

Carolina Poplars---8 to 10 feet.

Spirea Van Houttei --- Hydrangea, P. G.
Syringa Com. and Weigelas, 2 to 3 ft.

WILL MAKE ATTRACTIVE PRICES
FOR EARLY ORDERS

C. R. Burr & Company

THE BURR NURSERIES
MANCHESTER, CONNECTICUT

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping
conifer is the most distinct weeping tree in existence.
Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varie-
ties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varie-
ties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS,
250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in
any quantity and in all varieties; Nectarines, Peaches,
Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS,
35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES,
25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers)
1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varie-
ties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG VISIT NURSERIES
BOBBINK & ATKINS,
NURSEYMEN AND FLORISTS,
RUTHERFORD, N. J.



OFFICE AND GROUNDS OF THE CHASE NURSERIES

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., MAY, 1908

No. 5

R. G. CHASE & COMPANY

Geneva, New York, situated in the pioneer district of the nursery business of the United States, is too well known to most of us to need any exploitation of its beauties. It is sufficient to say that aside from being one of the most beautiful cities in the United States, it is the center of the nursery business of the country. The R. G. Chase Company was born in Geneva in 1860 and is today one of the most progressive nurseries in New York State.



ROSCOE G. CHASE
President of R. G. Chase & Co.

Roscoe G. Chase, the founder, is the man to whom the Company is indebted for its reputation for Hardy, Healthy, High Grade Nursery Stock. Mr. Chase has always been a firm believer in thorough cultivation; the results of his labor in this direction are shown in the handsome blocks of nursery stock grown by this company today.

The growing of fruit trees has been and still is the specialty of the Company. Plantings of from 40 to 50 acres are made annually. New land thoroughly drained is the fundamental basis of the Company's success in growing fruit trees. They have covered the majority of the farms within a fair radius of Geneva with their products. This is a simple statement of fact.

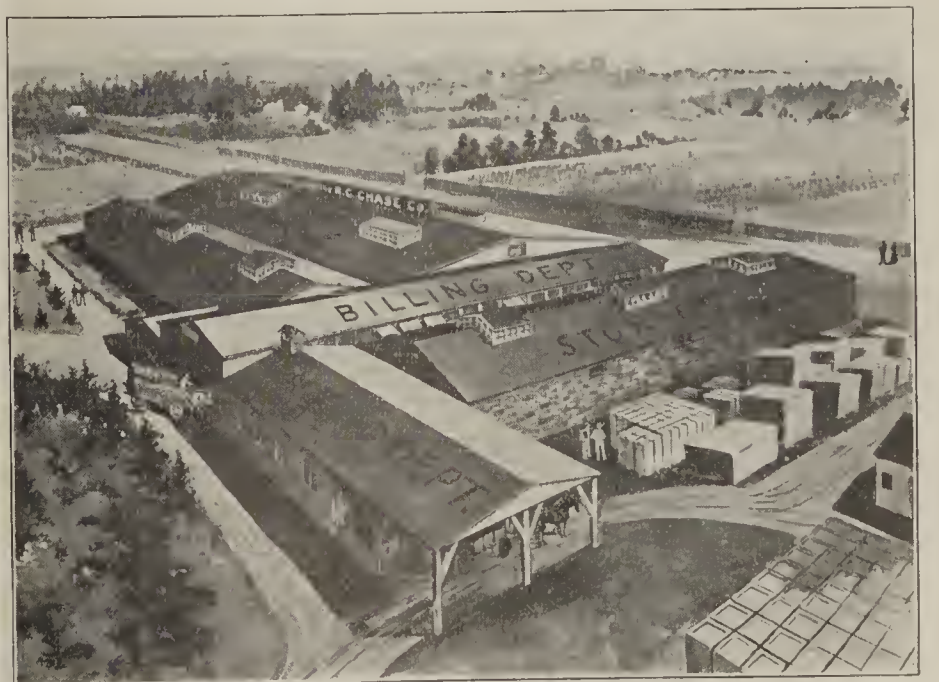
Some idea of the appearance of the nurseries, packing houses and office building can be gained from the illustrations. The storage and packing plant is within a stone's throw of the office, which is situated on seven acres of land within the city limits and only a mile from the New York Central and Lehigh Valley Railroads.

Originally the old methods of handling stock were employed, viz.; open sheds and trenches, with small cellars. Now, one sees as complete and modern a plant for storage



A Packing Yard in 1878

and shipping as there is in the country. Three separate storage cellars, containing 250,000 cubic feet of space, adjoin their billing, tying and packing sheds. Thus stock is most conveniently handled. The loss from fire is minimized, because the cellars are constructed of stone and concrete. Fire hydrants and extinguishers are placed at advantageous points in the packing house.



Packing Sheds and Storage Cellars at the Present Time

The disadvantage of not being on the railroad, a condition which necessitates the hauling to and fro of all freight, is soon to be overcome by the use of a four-ton motor truck.



A Partial View of 150-Acre Block of Young Nursery Stock.

In the packing house is found a large traveling crane, with a differential chain hoist. This enables one man to move and load the heaviest cases. Packing material is brought in with overhead trolleys. In brief, up-to-dateness is shown from one end of the plant to the other.

The office building, originally a storage cellar and small fruit department, has been tastefully remodeled and the adjoining grounds artistically laid out. Numerous varieties of Roses, Shrubs, etc., are growing for the benefit of those desiring knowledge in this line.

A small farm of 30 acres within the city limits is devoted to the growing of ornamental stock. Three miles west, a farm of 200 acres is devoted to fruits.

A force of 40 men and 12 horses are employed the year round to keep the work in shape. Mr. R. G. Chase, although 70 years of age, is actively interested in the business. Associated with him is his son, Orville G., the Secretary and Treasurer of the Company. Mr. G. H. Chase of Malden, Mass., although not actively connected with the company is its vice-president.

Many innovations are used by the Company in curtailing expenses in the handling of trees. For example, a complete cost system, giving the expenditures for each and every block of trees grown by the Company, from the time of their planting until they are ready to dig, shows from year to year where money is made and lost. Such knowledge is naturally a source of satisfaction. In addition to modern systems of accounting, modern machinery of all kinds is at hand to facilitate the actual work of growing, storing, packing and shipping.

Mr. R. G. Chase is not a believer in introducing to the public, fruits which have not been thoroughly tested, consequently only those varieties are grown by the Company which have actual merit in the market. The Company is now handling a new white sweet Cherry named the "Hoy," which they believe to be one of the greatest acquisitions in the shape of a large, white, sweet Cherry.

At any and all times the members of the Company are more than pleased to show their friends their Nurseries and plant in general.

THE MILWAUKEE CONVENTION.

Members of the American Association of Nurserymen should interest themselves at this time in the convention to be held in June at Milwaukee. Milwaukee is centrally located, and the convention which was held there a few years ago was one of the best the organization has held.

Milwaukee is a beautiful city, and especially interesting to nurserymen because of its beautiful homes, with their well-planted grounds. Not the least attractive feature of the approaching convention is the fact that the Hotel Plankinton will be headquarters. This hotel entertained the convention a few years ago, and it is probable that no other hotel ever took better care of the members, with no friction whatever regarding rates and reservations.

A movement has been set on foot to take the 1909 convention to Seattle, and many members are in favor of this action on the part of the Association. A number of years ago the American Pomological Society took a trip through the horticultural sections of the West and Northwest, and the members were surprised at what they saw. The present development, however, is so far ahead of what was seen at that time, that the horticulturists and nurserymen of the East may well study the methods of the Western growers. It is said the Great Northern and Northern Pacific railways are anxious to show the nurserymen through the beautiful orchards along their lines—perhaps the best-kept orchards in the world.

(Signed) PUBLICITY COMMITTEE,
American Association of Nurserymen.

CONDITIONS IN VIRGINIA.

Mr. E. W. Jones of the Woodlawn Nurseries, Woodlawn, Virginia writes that they are partially sold out on everything for spring that is salable. The demand for nursery stock is much better with them the present year than it was at the corresponding time last spring. Mr. Jones states that they have run short of a good many varieties in two-year-old apples, and will be compelled to put in one-year-old stock to complete their orders.

He states that reports from all sections in Virginia indicate that this is a prosperous year for nurserymen in that section of the United States.

PROPOSE APPLE CONGRESS.

An unique plan for the establishment of a government apple congress or exchange was submitted yesterday by L. F. Williams at the meeting of the committee of 21 which is in charge of the proposed national apple show to be held in Spokane next December. Mr. Williams suggests that data be sent out three times each year from all the commercial orchards of the country giving the prospects for the season. The first report would be sent out at the time the trees bud and blossom, the second when the fruit begins to set and the last when the crop is safe. This data, according to the plan, will then be tabulated and sent out to all apple growers. In this way the producers would be able to learn at the earliest possible date whether the prospects are for a light or heavy crop, and, consequently, whether the prices will be high or low.

THE PARCELS POST: NEEDED LEGISLATION.

There are two reasons why a parcels post system is not in operation in the United States, the first is that the people have not asked for it and the second that the Express companies throttle agitation of the subject. All doubt as to the practicability of the system as far as the Government is concerned is dispelled by the present Postmaster General. The objections of the small merchants have been overcome. In short all that is now needed is for the people to ask,—and ask in a way that takes no refusal,—for the establishment of parcels post.

For 60 cents the German farmer can send 110 pounds of produce by mail to any part of Germany or Austria, and it will reach its destination as promptly as a letter. American Express companies have established for the British public a flat or postage stamp rate of 24 cents on 11 pounds parcels, anywhere between New York and San Francisco, or other express offices in the Union. Meanwhile the American public is paying excessive rates to the same companies. The cost of eleven pounds from Chicago, or from the Pacific coast to New York, is \$2.35. Now for \$2.65 it is possible to ship 100 pounds by freight the same distance. It is time for Americans to wake to the situation. It is fortunate that at present the man best able to do so with most effect is doing so, that is, the Postmaster General.

Postmaster General George V. L. Meyer is advocating the adoption by the United States of a parcel post system. Before taking the matter to Congress he is going to explain fully to the People the advantages of the system. He wants both to arouse and to educate public sentiment.

Mr. Meyer plans to draw a bill and introduce it into Congress early in December. This bill will provide for the admission to the mails of parcels of a maximum weight of 11 pounds at 12 cents a pound (four pounds is now the maximum weight at 16 cents a pound); and a local service on rural delivery routes at five cents a pound, with two cents for every additional pound up to 11.

This local service will be confined to each rural route, and can not be extended beyond it. Mr. Meyer believes that this if adopted, will make the rural delivery of mail self-sustaining and that the postal service as a whole would probably yield a surplus.

Mr. Meyer has carefully estimated all costs connected with the operation of the proposed system briefly outlined above and finds that it can be managed so that no deficit will result. He has some things to say about the effect of the plan upon different classes of merchants. We quote from his words on the subject.

"That a local parcel post would be of material advantage to the retail merchant in competition with mail-order houses is seen at once when it is pointed out that the latter, at the proposed general parcel post rate of 12 cents a pound, would be obliged to pay \$1.32 for sending an 11 pound package to a rural route patron, a difference in favor of the local storekeeper of about 10 cents a pound, or \$1.07 on an 11-pound package.

"Letters and petitions for the extension of the parcel post are being received from all sections of the country. Many commercial bodies formerly opposed to any action of this kind are on record as being heartily in favor of it.

"On the other hand, objections have been raised to the measures the Department is advocating. Although no sound argument has been advanced in opposition, the contentions which have been made are not without interest.

"It has been stated that the Department is not equipped to deliver 11-pound parcels received in the general mails. The present postal regulations provide that when a package is of undue size or weight a formal notice shall be sent the addressee requesting him to call for it. This practice would continue were the weight limit increased to 11 pounds, in the case of offices having free delivery. Nor would it work a hardship, for under the present limit of 4 pounds the average weight of parcels sent through the mails is but one-third of a pound. Increasing the weight limit would not have nearly as great an effect on the average weight of parcels mailed as seems to be commonly supposed. When packages were addressed to persons living on rural routes they would, of course, be delivered to the boxes of the patrons by rural carriers, who would not thereby be inconvenienced.

"Others have said that large mail-order houses would under the proposed law, utilize the special parcel post or rural routes through agents to the great disadvantage of the country merchant, first assembling their orders and dispatching them by express or freight to suitable distributing points. The Department has recommended provisions which will prevent any such use of the routes. It should be remembered, too, that even in the absence of a specific prohibition of this nature, any systematic attempt upon the part of a mail-order house to thus distribute its wares would necessitate the employment of many thousands of local representatives. The catalogues of these concerns indicate in no uncertain way that they attribute their success, in large measure, to their low selling expense, and that the absence of any sort of agents is the principal feature of their argument in accounting for the supposedly low prices of their goods.

"The cry of 'class legislation' has been raised. There is, of course, no discrimination involved, for all who can be reached by rural carriers will be accommodated. It would be as reasonable to decry the laws which permit the delivery of mail to patrons living on rural routes, while persons differently situated are obliged to make a trip to a near-by post-office to obtain their letters.

"Those who claim that an increase in the weight limit would work an injury to country merchants appear to have the impression that mail-order houses now deliver their goods extensively through the postal service, and that this practice would largely increase if the recommendations which have been made become law. Upon a moment's reflection it will be perceived that the present rate of 16

cents a pound (\$16 per hundredweight), as well as the proposed rate of 12 cents a pound (\$12 per hundredweight), are alike prohibitive on practically all lines of merchandise. Mail-order houses make their shipments usually by freight or express and would continue to do so.

"Antagonism to the proposed measures, when analyzed and found not to be the result of selfish motives, appears to be based upon inaccurate or insufficient information. In illustration, I desire to invite attention to a communication of the Richmond Commercial Club, of Richmond, Ind., which appeared in the Congressional Record of January 4, 1908. In this letter the statement was made that a certain mail-order house would save \$40,000 a year on the mailing of catalogues alone. Catalogues are rated as third-class matter, whereas the Department's recommendations with respect to parcel post relate to fourth-class matter only. Catalogues are now mailable at one cent for two ounces, or eight cents a pound, four cents a pound less than the rate proposed for the general parcel post. The mail-order house referred to, therefore, would gain nothing under the proposed law in the mailing of its catalogues.

"With the adoption of new conveniences of life by urban residents, and the ever-increasing attractions of the city, especially potent in their influence upon the younger generation, the importance of affording farmers and ruralites generally every legitimate advantage becomes more and more apparent. The free rural delivery has improved materially and intellectually the life of great numbers of these people. Is it too much to ask that the Department shall make a further use of this important system; a use which, while adding appreciably to the postal revenues, will directly and vitally benefit every man, woman and child within reach of a rural route? The countryman would have the necessities of life delivered at his gate at an average cost of two cents a pound, thereby facilitating and increasing consumption. This would mean augmentation of the trade of thousands of country merchants. The commercial traveler should appreciate the advantages of this system; it would increase his orders because the country merchant buys from the jobber or the wholesaler. Every component part of our commercial system would feel the effects of an increased prosperity.

"It would inevitably tend toward the improvement of the roads. Better roads and improved postal facilities in the rural districts would result in increased values of farm lands. The rural service as now organized has accomplished something in this direction; its enlargement will add to the good attained."

To show what is being done abroad Mr. Meyer has prepared the following schedule of rates that apply in the various countries in which the system is in operation.

PARCEL POST RATES IN THE DOMESTIC SERVICE OF THE COUNTRIES NAMED.

Great Britain.—Postage rates for the first pound, 3 pence (6 cents), and for each additional pound, 1 penny (2 cents); maximum weight, 11 pounds; greatest length, 3 feet 6 inches; greatest length and girth combined, 6 feet.

New Zealand and the States composing the Commonwealth of Australia.—Limits of weight and size, same as in Great Britain.

Postage rates, 6 pence (12 cents) for the first pound, and 3 pence (6 cents) for each additional pound.

Germany.—Greatest weight, 50 kilograms (about 110 pounds); no limit of size. Postage rates: For all parcels conveyed not more than 10 geographic miles, 25 pfennig (6 cents), and 50 pfennig (13 cents) for greater distance; if a parcel weighs more than 5 kilograms (11 pounds av.), it is charged for each additional kilogram (2 pounds) carried 10 miles, 5 pfennig (1 cent); 20 miles, 10 pfennig (3 cents); 50 miles, 20 pfennig (5 cents); 100 miles, 30 pfennig (8 cents); 150 miles, 40 pfennig (10 cents); and more than 150 miles, 50 pfennig (13 cents). Unwieldy parcels are charged in addition 50 per cent of the above rates.

Austria.—Greatest weight, 50 kilograms (110 pounds); except that parcels containing gold or silver coin may weigh up to 65 kilograms (143 pounds). Postage rates: Parcels up to 5 kilograms (11 pounds) in weight are charged 30 heller (6 cents) for the first 10 miles, and 60 heller (12 cents) for greater distances. A parcel weighing more than 5 kilograms (11 pounds) is charged for each kilogram (2 pounds), in addition to the above rates, for the first 10 miles, 6 heller (1 cent); 20 miles, 12 heller (2 cents); 50 miles, 24 heller (5 cents); 100 miles, 36 heller (7 cents); 150 miles, 48 heller (10 cents), and more than 150 miles, 60 heller (12 cents).

France.—Greatest weight 10 kilograms (about 22 pounds); no limit of size. Postage rates: Up to 3 kilograms (7 pounds), 60 centimes (12 cents) delivered at the railway station, and 85 centimes (17 cents) delivered at a residence; from 3 to 5 kilograms (7 to 11 pounds), 80 centimes (16 cents) at a station, and 1 franc 5 centimes (21 cents) at residence; from 5 to 10 kilograms (11 to 22 pounds), 1 franc 25 centimes (25 cents) at a station, and 1 franc 50 centimes (30 cents) at a residence.

Belgium.—Greatest weight 60 kilograms (about 132 pounds); no limit of size, but unwieldy parcels are charged 50 per cent in addition to the following rates for any distance: Parcels up to 5 kilograms (11 pounds), 50 centimes (10 cents)—or if by express trains, 80 centimes (16 cents); up to 10 kilograms (22 pounds), 60 centimes (12 cents)—or if by express trains, 1 franc (20 cents); for each additional 10 kilograms (22 pounds), 10 centimes (2 cents)—or if sent by express trains, 50 centimes (10 cents) additional. Fee for delivering at residences, 30 centimes (6 cents).

Italy.—Greatest weight, 5 kilograms (11 pounds). For ordinary parcels, greatest size in any direction, 60 centimeters (2 feet), except rolls which may measure 1 meter (40 inches—3 feet 4 inches) in length by 20 centimeters (8 inches) in thickness. Postage rates for a parcel not exceeding 3 kilograms (7 pounds), 60 centimes (12 cents); and 1 franc (20 cents) for a parcel exceeding that weight. A parcel which exceeds 60 centimeters (2 feet) in any direction, but does not exceed 1½ meters (5 feet), is admitted to the mails as an "unwieldy" parcel and is charged, in addition to the above rates, 30 centimes (6 cents) if it does not weigh more than 3 kilograms (7 pounds), and 50 centimes (10 cents) if it exceeds that weight.

The Netherlands.—Greatest weight, 5 kilograms (11 pounds); greatest size, 25 cubic decimeters (1,525 cubic inches), or 1 meter (3 feet 4 inches) in any direction. Postage rates: 15 (6) cents (Dutch) up to 1 kilogram (2 pounds); 20 (8) cents from 1 to 3 kilograms (2 to 7 pounds); 25 cents (10) from 3 to 5 kilograms (7 to 11 pounds).

Chile.—Greatest weight, 5 kilograms (11 pounds); must not measure more than 60 centimeters (2 feet) in any direction. Postage rates: 30 centavos (10 cents) if a parcel does not weigh more than 3 kilograms (7 pounds); 50 centavos (17 cents) if it weighs more.

Cuba.—Greatest weight, 11 pounds; greatest size, 3 feet 6 inches in length by 2 feet 6 inches in width. Postage rates: 10 centavos (10 cents) a pound up to 5 pounds; and 6 centavos (6 cents) for each additional pound.

ITS VALUE.

Advertising, energetically, intelligently, persistently followed, is as irresistible as a rising tide; works as surely and as silently; but, unlike the tide, it can be kept continually on the flood.

33rd ANNUAL CONVENTION AMERICAN ASSOCIATION OF NURSERYMEN

Milwaukee, Wis., June 10-12, 1908

PLANKINTON HOUSE

For the thirty-third consecutive year the nurserymen of the United States will meet, June 10th, 11th and 12th, 1908.

We believe no other industry can show such a record of conventions and accomplishments for the welfare of its members.

In looking after legislation; favoring good laws, opposing bad ones, and securing reasonable freight tariffs alone, the value of the work done by this Association cannot be overestimated. At a conservative figure the amount saved in freight rates during the past two years is One Hundred Thousand dollars. Every nurseryman, be he grower, dealer or agent, shares in this benefit.

About five hundred out of more than three thousand nurserymen do the work and pay the bills. Will you come in this year and do your part?

The income of the Association is derived from two sources—membership and advertising in the Badge Book.

MEMBERSHIP

The annual fee is Five Dollars. It places your name on the roll of honor of the nursery industry. It's worth more than that to be in such company. It will help to secure a continuance of the advantages already gained. "Eternal vigilance" is the price of safety. Your representatives on the various committees work without compensation and at great personal sacrifice. Funds must be provided to pay actual expenses, to pay for testing unconstitutional legislation such as has been enacted in some states and will be followed in others if unchecked.

Send in your fee at once. Go to the convention if possible but by all means if you cannot attend, have your name enrolled, lend the influence of your membership and contribute your financial support to the work being done in your behalf.

THE BADGE BOOK

This barometer of the nursery industry will be issued as usual just previous to the convention.

It is, itself, worth more than the fee. It is probably the most prized nursery publication of the year. In it you will find a list of the best men in the business. If you want to know "who is who" in nursery lines the Badge Book is authority.

Your name and number will be included on receipt of your fee.

A badge corresponding with your number will be given out at the convention. This will enable any holder of a Badge Book to identify you and will serve to introduce you to anyone wearing a badge.

Another privilege and a most valuable one is the Badge Book advertising. Each member may in connection with his name tell the trade of his specialty, what he has to sell or what he wishes to buy. He can be absolutely certain of an audience, for every page of the book is read by every mem-

ber. No equal opportunity for advertising is given to nurserymen. You will find almost without exception the most successful nurserymen in the country using its pages. What is good for them will be good for you.

DELAY NOT

In order that the Badge Book may be mailed in time to reach members before they leave for the convention, the forms will close May 25, 1908.

Please do not assume that your name will be included if you do not send your fee. The secretary has no such authority.

Send your fee and copy for your advertisement at once. No time so opportune as the moment you get this circular. Please do not send your fee and say "Copy for advertisement will follow." That mixes the secretary all up and you fail to get as early a number as you would otherwise.

ANNUAL FEE

The annual fee was raised to Five Dollars last year because the money was necessary. The old members responded admirably, but new ones are wanted for 1908.

The officers and committees need your moral and financial support. Give it to them promptly and cheerfully.

Less than other classes, nurserymen, farmers and fruit growers have felt the effects of the financial depression. Let us show appreciation by making the Milwaukee convention the best in our history.

RAILROAD RATES

A satisfactory concession is now practically assured.

The Western Passenger Association, having reconsidered its first decision to announce no reduction for our convention, later made the announcement given in the April NURSERYMAN.

Western Passenger Association,

Chicago, Ill., March 19, 1908.

Annual Convention American Association of Nurserymen,
Milwaukee, Wis.

June 10-12, 1908.

Mr. Geo. C. Seager, Sec'y.

Dear Sir—Referring to recent correspondence relative to reduced fares account above named occasion:

This question was given further consideration at recent meeting of the Association and, in accordance with action taken at that time, round trip rate of two cents per mile in each direction will be tendered to other Associations for basing purposes for your convention, tickets to be sold on June 6-11, inclusive, good to return leaving Milwaukee until and including June 16, 1908.

Again under date of April 7, 1908, Chairman MacLeod of the Western Passenger Association wrote:

Mr. Geo. C. Seager, Sec'y.

Dear Sir—Referring to our letter of March 23rd and previous correspondence relative to reduced fares account above named occasion:

Beg to advise that Summer Tourist tickets will be on sale to Milwaukee from points in Western Passenger Association territory daily from June 1 to September 30, inclusive, with return limit to October 31, 1908, at fares based about two cents per mile in each direction. These fares will be available for your convention and have been tendered to connecting lines for basing purposes.

According to past experience this means that a concession on the basis of the rate stated in the above correspondence will be granted by the various passenger associations having jurisdiction in territories from which a reasonable number may be expected to attend the convention. Those outside of favored territories should take up the question early so that they may obtain the benefit from the nearest point from which reduced fares are available.

[Notice from the various passenger associations has not yet been received, but it is deemed unwise to delay longer the preparation and mailing of these circulars. Nurserymen and others expecting to attend should take up the question with their ticket agents and get information early. If certificates are to be required as in former years, do not fail to get a certificate.]

The Trans-Continental Passenger Association (office, Railway Exchange Building, Chicago, Ill.) has announced special fares from North Pacific Coast points to Chicago and other eastern terminals—dates of sale, June 5th and 6th. Also reduced fares from California points, date of sale, June 3rd. These tickets will be good for 90 days and approximate one first-class plus \$10 for the round trip.

Special train—Chicago to Milwaukee. Those who remember that most enjoyable trip made by special train from St. Louis to Dallas in 1906, will be delighted to learn that arrangements are being completed for special train from Chicago to Milwaukee on June 9th.

Messrs. Carl Cropp of Vaughan's seed store, and Benj. E. Gage of the Peterson Nursery Co., have kindly consented to act as a special local committee in Chicago to perfect arrangements as to starting time, to provide a general meeting place and to make all as comfortable and happy as possible, while the "round up" for the special train is going on. Inquiries regarding this feature of the trip may be addressed to this committee.

MILWAUKEE

"A bright spot." The convention of 1902 in Milwaukee was a most enjoyable and profitable one. Every effort is being made to render the coming gathering more interesting and profitable. The "Exhibits" in charge of the committee of which T. B. Meehan is chairman are becoming a feature which no live nurseryman should miss.

THE PLANKINTON

In a letter addressed to Mr. H. Stanley Green, manager of the Plankinton House, the secretary asked for confirmation of his understanding of the hotel proposition which was outlined as follows:

"Rates: American plan, for one person without bath, \$3 a day and upward; with bath, \$3.50 per day and upward; two persons without bath, \$6 a day and upward; with bath, \$6.50 and \$7 a day and upward. In connection with these rates you suggest that our members make reservations as early as possible and in that case, if you are unable to reserve room at the rate desired, you will suggest how that rate may be obtained by taking a room with others, say two, three or four people as the case may be, and that you have more rooms at the minimum rate than at the higher rate.

I presume it is unnecessary for me to ask also that letters from our members asking for reservations be in all cases acknowledged. I have found that in some cases hotels simply make reservations and do not reply. In that case it leaves our members in some doubt as to whether or not they are provided for."

Answering this letter, under date of November 26th, Mr. Green confirmed the proposition in every detail. And further stated that any points that might come up from time to time he would be glad to answer or confirm.

Members should note particularly the suggestion regarding reservation of rooms in advance. They should state the rate that they are willing to pay and ask Mr. Green to make such suggestion as will secure accommodation at the rate desired.

EXHIBITS

Dreshertown, Montg. Co., April 1, 1908,

George C. Seager, Sec'y.

Rochester, N. Y.

Dear Sir—This Committee has secured two large rooms on the first floor of the Plankinton Hotel. In these rooms will be exhibited colored plates, lithographs, labels and all smaller exhibits. The heavier exhibits will be placed in a vacant store on the ground floor of the hotel. From present indications, there will be ample room for all exhibits. The Committee desires entries for exhibits of everything that will interest nurserymen, including nursery stock tools of all descriptions and useful office appliances, records, etc., and in fact, everything that will interest and be of benefit to the nurseryman, whether in the field or in the office. **Applications for space must be made prior to the first of June, and same must be addressed to Thomas B. Meehan, Chairman of the Committee, Dreshertown, Pa.**

Very truly yours,

THOMAS B. MEEHAN,

Chairman Committee on Exhibits.

PROGRAM

The publicity committee has been furnishing frequent bulletins for the horticultural press, and here is one relating to the program:

Advance information which comes from the program committee indicates that the program will be complete with papers on very interesting subjects. It is likely, however, that the program will not be so full as it has been at other meetings, leaving more time for the discussion of the various papers and for the transaction of other business.

All sections of the country are being drawn from in arranging the program. H. D. Simpson, of Vincennes, Ind., will discuss "The Pecan," thus recognizing the increasing interest in the production of nut trees. M. McDonald of Salem, Ore., will discuss "Horticultural Inspection Laws as They Affect the Nurseryman." This paper is of great importance to nurserymen, for the inspection laws of some of the Northwestern states have greatly interfered with trade in a section where fruit growing is being developed most rapidly at this time.

Others who will speak are: Judge Eugene Stark, Louisiana, Mo., "A Few Points on Improvements;" J. B. Pilkington, Portland, Ore., "Elements of Success in the Nursery Business;" H. H. Hume, Glen Saint Mary, Fla., "Semi-tropical Thoughts for the Nurserymen."

Since this information was given out the program committee has been hard at work, and those who attend may expect this feature of the convention to be entertaining and instructive.

LOCAL ENTERTAINMENT

The secretary is informed that Mr. T. J. Ferguson is making arrangements for local entertainment and outside features while at Milwaukee, and this work could not be in better or more energetic hands.

PRESIDENT HILL ON THE ANNUAL CONVENTION

J. W. Hill, President of the American Association of Nurserymen, has the following to say in regard to the Annual Convention to be held in Milwaukee, June 10th to 12th:

"The committees are all busy getting matters in their respective lines, in shape for the meeting. Mr. Berckmans, Chairman of the Committee on Program, is progressing finely with his part of the work, and I am sure will have a program that will prove of much interest to every one in attendance. He is being aided by some of the strongest men in the Association, and I am advised that the program is almost completed.

"It is the judgment of the Program Committee and others that more time be given to the social features and sight-seeing this year than formerly, and I think they are arranging their program with this idea in view. Mr. Ferguson is in charge of the local matters in this respect, and excursions to parks and other points of interest to the nurserymen are now under consideration.

"Mr. Seager, our Secretary, is in charge of matters coming within the scope of the Committee on Arrangements, and has closed a very satisfactory contract with the Plankinton Hotel for the accommodation of the Association. Many of us recall with much pleasure the former session of the Association held at this hotel, and we have assurance that the same courtesies will be extended us at this time.

"Two large and commodious exhibition rooms conveniently located, have been secured, and Messrs. Meehan, Bernardin and Kelsey of the Committee of Exhibits, are laying their plans to fill them with such exhibits as will be interesting and profitable to the nurseryman. This feature of the annual meetings is receiving much more attention than formerly, and it is my judgment that much time may be spent to advantage in this department.

"The management of the C., M. & St. P. railroad have perfected arrangements for a "Nurserymen's Special" to leave Chicago for Milwaukee on the 9th, at an hour to be fixed later, and special cars bearing delegations from the east and south may be attached to this train. Mr. Cropp, Secretary of Vaughan & Co., and Mr. Peterson, of P. S. Peterson & Co., have consented to act as the local committee there, to co-operate with the railroad people in arranging for matters pertaining to this special as regards meeting place of incoming members, time of starting train, etc. Either of the gentlemen named or Mr. C. N. Southers, General Passenger Agent of the C., M. & St. P., 95 Adams Street, Chicago, will be glad to give any information desired.

"The Association of Economic Entomologists will be represented by a special committee appointed for this purpose at a recent meeting of their Association, and we may expect much good to result from the very pleasant relations now existing between the members of the two organizations.

"The Committee on Transportation, of which F. H. Stannard is chairman, is just now wrestling with the proposed "Rule Four" of the Western Classification, which attempts to release the western railroads from liability for loss or damage to goods in transit, unless 20 per cent be added to the tariff rates. This and other important matters are

being considered by this committee, which will be fully reported at the Milwaukee meeting.

"Many other interesting and important features of the forth-coming meeting might be mentioned, but I hardly think it necessary to do so.

"It is sincerely hoped that every member of this Association will consider himself 'a committee of one' to look after two important matters, to-wit: First, to attend the convention himself; second, to invite his neighboring nurseryman to join the association and go with him."

EASTERN NURSERYMEN

A special sleeper will leave Rochester, N. Y., on Monday, June 8th, and will connect with the special train leaving Chicago for Milwaukee on June 9th. The sleeper will go through to Milwaukee without change. For further particulars and reservation address C. L. Yates, 205 Cox Building, Rochester, N. Y.

THE BADGE BOOK

The American Association of Nurserymen gains its revenue entirely from membership fees and from advertising in the Badge Book which is issued about June 1st each year. The name of every nurseryman is needed for influence and his fee for the support of the work of the association.

It has expended thousands of dollars for the benefit of the Nursery industry in the traveling expenses alone of the members of its freight classification and tariff committees, and has effected immense saving to nurserymen.

The Legislative Committee has also accomplished much for the nurserymen of the country, and has successfully contested adverse laws. There is more of this work to be done, and able counsel must be employed and paid for services.

The Convention at Milwaukee, Wis., June 10-12, 1908, will be the thirty-third. The work is more important each year.

If you have not been a member will you send on your fee and be enrolled for the present year? Your name in the Badge Book and a copy of it is worth much more than the money.

If you are a member send on your money now for the next year just the same so you won't have to do it later, and urge your neighbor or friend in the business to join.

The membership of the American Association of Nurserymen is a list of the most progressive men in the trade. On an entirely selfish basis all should join. On any other basis there is no argument. A man should be willing to pay his part of the cost of benefits derived and all Nurserymen are benefited.

After the convention a full report of proceedings will be published with a full list of members. Members will receive a copy of the report as soon as published.

Any nurseryman is eligible to membership. Annual fee Five Dollars.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., MAY, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.
Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
National Inspection Law—Hon. Orlando Harrison, Berlin, Md.
Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.
Program—R. C. Berckmans, Augusta, Ga.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATION

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

SPRAYING NURSERY STOCK.

With the event of the growing season comes the necessity of frequently inspecting the nursery block to discover the first indication of the appearance of an enemy. In our opinion, every nursery of any importance should have its specially trained sprayer, a man who not only knows how to operate a machine, but who is able to recognize and treat the principal fungous and insect enemies of the nursery. It should be his business to patrol the blocks and apply remedies as the need arises.

In all work of this kind prevention is better than cure. It is particularly true in the case of the fungous disease. There is little use of treating cherry leaf-spot, pear leaf-spot, rose-spot, or apple leaf diseases after their presence is clearly indicated by diseased foliage. But the timely application of preventive sprays will promptly arrest the growth of these parasites, and give healthy foliage and vigorous growth, instead of diseased leaves and stunted development. It is of immense importance to the propagator of cherries, apples and pears that his stocks be kept in healthy, vigorous condition during the budding season.

VALUE OF EXHIBITS.

The purposes of holding conventions, like that of the American Association of Nurserymen, are at least three. First, the members desire to meet the brethren of the fraternity, and get acquainted with each other. Second, they wish to exchange ideas, probably exchange stock, and promote business generally. Third, they wish to catch the latest advances in mechanical appliances and plant development.

Exhibits such as the members of the association had the privilege of examining last year were valuable in themselves, worthy of the Association, and of credit to the persons who had them in charge. No doubt the exhibits forthcoming at the next convention at Milwaukee will be equally meritorious. Apart from all other considerations we should remember that this is a valuable means of advertising. Let us take, for instance, the tree stripper exhibited at Detroit last year. Everyone who saw this machine in operation was at once convinced of its practicality. In this respect, the tree stripper had the advantage over many other good implements exhibited there. The owners of the other implements did not have an opportunity of demonstrating them. Let all persons, then, who wish to make the convention a success, and have anything interesting, instructive, or of economic importance, forward such article of plant to the exhibits committee. In this way the benefits of the convention will be extended, and each person taking part will have the satisfaction of contributing to the general success of the meeting. The chairmen of all the committees should be assisted, but more particularly should the chairman of the exhibits committee receive the help of the members of the Association.

Chairman Meehan will greatly appreciate any help or contributions furnished by interested co-workers. Let us make this exhibit more instructive even than that of last year.

NURSERY IMPLEMENTS.

Every year sees a considerable advance in the improvement of implements adapted to the varied and rather specialized uses of the nurseryman. No one type of cultivator is suitable in all parts of the country. Every cultivator must be chosen for the particular kind of soil, in which it is to work, and for the particular type of stock it is to till. The nurseryman desires an implement that will thoroughly and efficiently pulverize the soil with as little draft as possible upon the team, and with the least friction upon the operator. The points to study in a good implement are efficiency, durability, and ease of draft.

Unfortunately, there is a tendency among manufacturers at the present time to turn out cheap implements. The wood-work is covered with glowing coats of paint, the iron work is similarly protected, and one does not know whether he is buying pine or oak in the one case, cast or wrought iron in the other. Cheap implements are dear at any price, and nothing is more vexatious than the halts necessitated by the breaking of parts of field implements. The criticism which is offered applies with probably more force to spray machinery than it does to cultivating implements. This is due perhaps to the demand for a cheap type of spray machinery. What we have said above applies with special force to many of the modern spray pumps.

There have been in recent years some notable advances in the styles of tillage implements. We now have trenchers, planters, firmers and fertilizer distributors that do the work they are designed for in satisfactory manner on suitable soils. But each implement should be studied by the would-be purchaser in the light of his own conditions. We think it is fair to say that some nurserymen have a fad for buying the latest kind of implement which appears. Very often it is neglected in the field and simply adds so much to the junk pile at the end of the season. Again, very often the best implements are those which have been devised by the nursery proprietor or the nursery foreman himself. An ingenious man will modify a cultivator or a spray cart so that it will serve his needs better than any he can purchase. It is needless to say that a man of this ability is a very valuable adjunct to an up-to-date nursery.

EDITORIAL WANDERINGS.

A START FOR ORIENTAL COUNTRIES; NOTES ON THE VOYAGE.

Gentle Reader, did you ever take part in a district school debate having for settlement the classic question of whether or not the pleasures of realization are greater than those of anticipation? If so, in you the old feelings will survive whenever you contemplate a foray into a new country or an experience expected to be entirely novel. Well does the writer remember the joys (and the sorrows) of the first circus that passed his way in the good old Forepaugh days, when the cavalcade marched overland from town to town. Well does he recall the fever of excitement that possessed him for days before the passage of the vans and the fear that they would pass in the night.

But we are wandering from our subject. Happy, however, is the man who retains his power of anticipation, who, travel he ever so much, can always look forward with pleasure to the new surroundings, customs, climates and profits from all the lessons they bring.

AN ORIENTAL TOUR PROJECTED.

It has long been our dream to visit those older civilizations where one may see the milestones marking the evolution of our race and where contrasts between the individuals, education, social standing and influence stand out so sharply. The opportunity came with the second half of the University year through the operation of the sabbathical rule. February first found the madame, the editor and our two children on board the White Star Steamer "Romanic," booked for Naples with Cairo, Egypt, as the immediate objective point.

Our steamer left the dock in a fine blizzard following one of the coldest days of the winter. It was pleasant to receive a "bon voyage" and a hearty handshake from the sage of Derry Village, Mr. John C. Chase—always kind and thoughtful, equally capable either in pronouncing a benediction, responding to a toast or acting as moderator of an assembly of nurserymen. The generous man is always in demand.

The pleasures of a sea voyage are largely a personal question and one highly colored by the character of the weather. In our case we had just one variety—the boisterous kind. Very amusing it is to note how one's interest, keen at first in the small things affecting steamer life, soon departs from the man struck with the familiar qualms. His particular place at the dining table at first very important soon sinks into insignificance. The young lady forgets her steamer letters and neglects her flowers; the dining room is not a place of joyful retirement—and so it goes. Five days from Boston the Azores are sighted—then Gibraltar, Algeria, Genoa and Naples. Of these in our next.

OUR BOOK TABLE.

"HOW TO DO BUSINESS BY LETTER." By Sherwin Cody, *System*, New York City.

This is an extremely valuable book in many respects. It can only be procured as a premium in connection with the well known and useful magazine, *System*.

There are four general lines of information developed, (1) forms of letters, (2) comment upon the same, (3) rules of grammar and correct use of words and (4) facts about post office regulations, etc. The beauty and value of the model letters can only be in the opportunity given to acquire good phrases and pat terms. If a business man has anything to say he will say it, model letters to the contrary as regards form. In our opinion these model letters are of doubtful value. In the comments upon the models there is much sound advice given.

The book will, however, be of use to the average business men because of its rules of grammar, etc., and facts about regulations. In other words, it is more successful as a book of reference than as a book of instruction. Every office will find it a helpful little volume.

BENEFITS TO BE DERIVED FROM THE AMERICAN ASSOCIATION OF NURSERYMEN

Adapted from a speech made before the Pacific Coast Nurserymen's Association, by S. A. Miller, of Milton, Oregon.

Men have been, and always will be, benefited by proper intercourse, socially and commercially. We are all dependent each upon the other; no one of us is independent. We today enjoy the fruits of the coöperation and concert of action of our forefathers who established our government. Today we are the greatest and grandest nation on earth; without coöperation we could not have attained this distinction.

Nurserymen may well seek to secure to themselves the lasting benefits to be derived from united effort from east and west, north and south of all interested in the nursery business. The national association makes it possible to organize in detail, and adopt a policy by which we shall be governed and our growth promoted. The benefits to be derived from the association have hardly been realized to their full extent as yet. It is well that we have occasions when we all meet together, mingle together and exchange our plans and ideas.

The American Nurserymen's Association has entered upon certain lines of work, and some very satisfactory results are already seen. The work undertaken by the Association is well worth careful study and imitation. By the efforts of its officers and special committees, gratifying reductions have been secured in freight rates; the minimum of car lots lowered; burdensome classifications have been removed, and other concessions from the railroads secured, by having their attention called to the nurserymen's business with its needs.

At one of its meetings a committee was appointed to consider the advisability and ways and means of employing a commercial agent to look after the interests of the Association in the line of reductions in freight rates, lower classifications, and other matters that would effect the pockets of the members of the Association. The committee was unanimous in its decision that such a man could be profitably employed by the Association. Unfortunately, however, the Association was without funds to pay his salary and expenses. An increase in the membership dues was made, but this did not make up the deficit. That this plan might be carried out, members who were present at the meeting pledged themselves to make up the deficiency. It was the belief that the burden of this deficiency should not be wholly borne by the few members who were at the meeting, but that all who will be benefited by the work that will be accomplished by the employment of a commercial agent will wish to bear a part of this expense.

This work is in the right direction and will result in untold good to all if it is pushed to a successful finish, and if the money is carefully spent. The Association and its members will receive large returns from this action.

Much benefit accrues to the business if a systematic effort looking toward more uniform legislation touching nursery work is made. Every legislative measure that has a bearing on our work should be watched. Proper action should be taken to secure such changes in existing

laws as may be necessary to relieve us of burdens and losses.

The uniform grading of nursery stock would prove of great value to us. Scarcely a season passes but that some one, or all of us, find ourselves long or short on some varieties. With a proper system of grading we will be enabled to get from each other just the kind and size of stock we need, thus avoiding disappointments in shipments, and to our customers. Individually, it would be slow work to bring this about, but as an association we can do it with but little effort. I do not believe this will or should lead to unifying of prices. We must work under varying conditions and circumstances.

Such matters as prices must be left largely to individuals; but as we mingle at our gatherings, these matters are bound to receive more or less attention, and a molding influence will be exerted in right lines. And so it will be with other matters. The exchange of experiences and ideas will be helpful. Reports as to crop conditions will enable us to relieve our wants as well as those of others, early in the season. Every man has a method and system of doing his work, and by comparison we can adopt improvements and discard cumbersome and antiquated methods. Improvement is the order of the day, and we can secure it.

It has seemed to me that good fellowship and feeling have sprung up and been strengthened as we mingle together from time to time, and as we meet our fellow workers; if we should happen to have any differences, often a word of explanation will remove them all when we meet face to face.

The National organization forms a means of mutual protection. Occasionally circumstances arise that were they to confront us as individuals we would be quite overwhelmed, but by having this association to help fight our battles we are largely relieved of the distress and worry. The strength and backing we can give unitedly to this Association will secure respect and consideration of our rights. Therefore, we should support it with our influence and means as needed.

This organization may aid the patron, as well as its members, by suppressing unscrupulous persons who may engage in this work. It is a duty we owe to our patrons as well as to ourselves to drive out every unfair and unprincipled man engaged in this business, either as a grower or as a dealer. Let us raise the standard, and not let it be seen among the dishonest and greedy.

A good and beneficial work could be done by having proper committees who would seek out and classify out fruits as to their adaptability commercially to the different sections; also prevent fraud and loss by testing new varieties of fruits as they are brought out, and recommend them or reject them according to their merits. Similar or worthless varieties should be weeded out and their multiplication discouraged.

Many times it seems there is little in common between the nurseryman and his patron, and much unjust criticism

is aimed at us by those who are not acquainted with our work. Much uncalled-for annoyance might be avoided if we could get our patrons to keep in touch with the growth of horticultural work, and I believe we can secure their co-operation by lending our influence and support to every legitimate means that will disseminate horticultural knowledge.

The social benefits derived from the Association must not be overlooked. If we remain to ourselves, engrossed with our cares, from year to year, we soon forget there is any one else in the race but ourselves, and the selfishness we possess by nature will gain control; but as we meet and mingle and lay our plans for mutual good and advancement, our minds are broadened, and our work takes on new aspects. We should seek enjoyment with our work, because all work and no play makes Jack a dull boy, as we all know, and doubtless have felt sometime in our lives. But the rest of the adage must not be forgotten, that no work and all play makes Jack a mere toy. I am glad for the good and substantial meetings in the past and for the others that are to come.

However, we can not expect that the full measure of good can be accomplished or wrought out during the few hours allotted to convention work. These meetings afford opportunities to render reports and summaries of our work, which has been, or ought to be, done between times. The real work should be carried on when we go to our homes. Carry the Association and its needs around with you wherever you go, and this will make it a success, and pay larger and oftener dividends than anything else.

The benefits we will derive from the Association will depend and be measured by the effort we put forth in its behalf; the degree in which we co-operate with and for each other, for the accomplishment of one common purpose.

THE CONFERENCE FOR EDUCATION IN THE SOUTH.

The Eleventh Conference for Education in the South was held in the Lyceum Theatre, Memphis, Tenn., April 22nd, 23rd and 24th, 1908.

All meetings of the Conference were held in the Lyceum Theatre. The opening session took place on the evening of Wednesday, April 22nd. The address of welcome was delivered by the Hon. M. R. Patterson, Governor of Tennessee. Governor Patterson's greeting was followed by the annual address of the President of the Conference, Mr. Robert C. Ogden, of New York; and by two other addresses.

The session of Thursday morning was in charge of the Association of the State Superintendents of Education in the South. The President of this Association, the Hon. J. Y. Joyner of North Carolina, was in the chair, and this section of the program was directly under his care. The afternoon of Thursday, April 23d, was especially set apart for "State meetings"—separate assemblies of the visitors and members in attendance from the several States of the South.

The need for a more compact and efficient organization of local forces is of such imperative importance that the

representatives in attendance were earnestly requested to do all within their power to add to the interest and importance of these State gatherings. The name of the chairman of each delegation is here given:

ALABAMA—The Hon. H. C. Gunnels, State Supt. of Education; ARKANSAS—The Hon. J. J. Doyne, State Supt. of Education; FLORIDA—The Hon. Wm. M. Holloway, State Supt. of Education; GEORGIA—Mr. Samuel T. Inman, of Atlanta, upon nomination of the Hon. J. M. Pound, State School Commissioner; KENTUCKY—The Hon. J. G. Crabbe, State Supt. of Public Instruction; LOUISIANA—Dr. J. H. Dillard, of New Orleans, upon nomination of the Hon. J. B. Aswell, State Supt. of Education; MISSISSIPPI—Dr. P. H. Saunders, upon nomination of the Hon. J. N. Powers, State Supt. of Education; NORTH CAROLINA—The Hon. J. Y. Joyner, State Supt. of Education; TENNESSEE—The Hon. R. L. Jones, State Supt. of Public Instruction; SOUTH CAROLINA—the Hon. O. B. Martin, State Supt. of Education; VIRGINIA—the Hon. J. D. Eggleston, State Supt. of Public Instruction.

The program of the Conference included addresses by representative speakers on "The Progress of Arkansas," "The Training of the Southern Teacher," "The Methods of an Educational Campaign," "Industrial Education," "The Schools and the Forests," "The Christian South and Negro Education," "More Efficient School Supervision" and "Business Leadership in Educational Progress." There was on the afternoon of Friday, an "open forum" on the subject of "Compulsory Attendance," at which Dr. B. J. Baldwin, President of the Board of Education of Montgomery, Ala., presided. The discussion was opened by Prof. W. H. Heck, of the University of Virginia.

Immediately after a short business session on Friday morning, addresses were delivered by representative Southern women on the service which is being rendered to the cause of popular education by the "School Improvement Organizations" of the several States of the South. The subject of the "Higher Education of Women" also received attention.

NEW POSTAL REGULATIONS.

In the new rulings of the Postoffice Department, especially relating to second class matter, newspaper mail, publishers are required to cut off from their mailing lists all subscribers whose subscriptions are in arrears four months after date of expiration, and furthermore, compels them to limit their sample copies to ten per cent of their paid up circulation. This will prove a good thing for all legitimate publications, that is, for all trade and other periodicals for which there is a real cause for their being; but it will bear heavily on all advertising and other schemes in which money making is the prime object. Under these new rulings it is compulsory on subscribers to pay their subscriptions and renewals in advance; such a practice has, however, its good side; it helps the publication in a practical and encouraging way, and promotes an all-round confidence that is stimulating to continued effort on the part of all concerned—subscribers, advertisers, and publisher.

WILLIAM PITKIN HONORED.

Governor Hughes of New York, recently honored a prominent nurseryman of Rochester, Mr. William Pitkin, by appointing him one of the State Fair Commissioners. Under the new state law the number of commissioners has been reduced from eleven to seven of which number two receive appointment by virtue of their State offices. This leaves five men to be actually appointed and to be chosen is now even a greater honor than before.

Mr. Pitkin is the Treasurer of the Chase Brother's Nursery Company of Rochester, New York, and is well known in nursery circles. Both by his work and character is he deserving of his appointment.

INDEPENDENCE.

Speaking of the need of political workers with independent means of support, President Hadley, of Yale, in a recent address before the New York School of Philanthropy, spoke of the value of the emergency worker and also of the man who votes upon his honest convictions.

"Now we come to what, after all, must be the largest influence in the politics of the country—people who do not aspire to leadership, regular or even occasional, but whose votes and opinions and moral judgments are what make the country what it is. What obligation should be emphasized in their code of political ethics? What can they do for political morals?"

"First, they can vote independently. Next, they can give their ideas on questions of public morals—a rarer thing than is generally supposed. Finally, they can get a judicial habit of mind in dealing with public questions and in judging a political act with an intelligent regard to its public consequences.

"The final test of our ability as a nation to stand rests upon the power of our people to judge of evidence quietly and accept the operations of the law even when it works to their own hurt, and to get ideals of success that will preserve the nation instead of those that will destroy it.

"Every man who publishes a newspaper which appeals to the emotions rather than to the intelligence of its readers, and to a less extent, every man who lightly believes the statements that exist in such a newspaper, hurts our political life at a most vulnerable point.

"Every man who admires a public officer for success in serving himself rather than for success in serving others—who respects the man for getting office rather than for deserving office, or for the making of money instead of the wise use of it—shows himself to that extent unfit to be a member of a self-governing nation."

DON'T BE A TIGHT WAD.

Don't be everlastingly trying to see how much you can save on your advertising, or into how little space you can crowd your advertisement. Just hold to the idea of seeing how well you can make advertising pay, and spend every cent you can get together that you can spend profitably. That is what makes your business go.

LOWER EXPRESS RATES ORDERED.

We quote from the Fruit Trade Journal and Produce Record the following article because of its bearing upon the subject of Parcels Post which is discussed elsewhere in this journal:

By an order issued March 30 by the Indiana Railroad Commission, the rates charged by the express companies to and from all points in Indiana are reduced from 10 to 12 per cent. Ten days are given the companies in which to rearrange their schedules.

The commission accompanies its order with a long statement, in which a history of several of the companies is epitomized in support of the charge that they have been making "fabulous" profits while operating almost entirely on "water."

The commission says that it was able to get few facts from the express companies regarding their capital stock or income, and that for this reason it was forced to refer to the published statements of the express companies' affairs. The companies, it is said, refused or neglected to produce information regarding loss and damage claims, wages and salaries, legal expenses and taxes, and "yet contended that these items should be considered."

The commission says that the American Express Company in 1850 had a capital stock of \$150,000, which in four years was increased to \$750,000, and that in 1868 the company increased its capital to \$18,000,000.

It says that the Adams company in 1854 had a capital stock of \$1,200,000, which by 1875 had been increased to \$12,000,000. In none of these instances, the commission says, was any additional money paid to the treasuries, all the increases being from profits derived from the business.

Commenting on the Adams company, the report says: "This great company is not without power of invention. Under an immense increment in business, with no proportional economic rate reduction, a great surplus accumulated.

"Something had to be done with it: hence, in 1898, to indemnify its shareholders against personal liability, \$12,000,000 in bonds were distributed to the holders of 120,000 shares of stock, and, wonderful to say, in 1906 the surplus was again a great burden, and without even the pretense of indemnification for personal liability the golden floodgates were again opened and \$24,000,000 poured out to the shareholders of this company.

"From time to time dividends in 1906, amounting to \$10 per share, and from \$4.00 to \$10 for many years, were distributed, and the company seriously assures us that it has never defaulted in the payment of interest on its bonds, and except, as stated, never declared a bond dividend.

"What a gullible public! What fortunate shareholders! What a beneficent common carrier—to its owners!"

The information set forth in the official opinion in regard to the Pacific Express Company is even more interesting. This company was organized under the laws of Nebraska, Oct. 1, 1879, with a capital stock of \$6,000,000. There has been no stock dividend and no bond dividend, but the company has paid dividends, says the commission, with almost absolute regularity. In the last twenty years \$8,334,000 has been divided among its shareholders, and, in addition a surplus of \$1,529,679 has piled up.

The commission says it got evidence as to what disposition was made of the \$6,000,000 capital stock from John A. Brewster, auditor of the company, who testified that the stock was given to the Wabash, Union Pacific and Missouri Pacific railroad companies for rights and franchises. He testified that twelve stockholders of this company are railroads, and that they get the dividends.

NEW KNOXVILLE, O., April 3d, 1908.

THE NATIONAL NURSERYMAN,
Rochester, N. Y.

Dear Sir:

As I cannot do without your valuable paper I enclose one dollar for subscription. Find postal card for reply.

I remain yours truly,

GEORGE WELLMAN.

FRUIT GROWING IN WASHINGTON.

W. S. Thornber, Professor of Horticulture in the Washington State college at Pullman, makes the following statements in a review of the fruit-growing in Washington:

"The state has nearly 100,000 acres of orchard fruits, and enough trees have been sold to plant 20,000 acres this spring, and if half of the land is planted to orchard crops during the next five years that is being prepared for that purpose, Washington will more than double its present acreage.

"Practically every section of the state is adapted to the production of one or more kinds of fruit to a degree of perfection rarely found elsewhere. The composition of our soils, the amount and intensity of our sunshine, the cool nights, the warm days, and the marked variation of the altitudes in the state, all aid in making Washington the most cosmopolitan fruit state in the union.

"These conditions extend the possibilities of the horticultural crops, from the semi-tropical fruits and nuts to the hardiest vegetables, nuts, and long-keeping winter apples and pears. The attractive color and superior quality of Washington fruits permit them to enter the most critical markets of the world. Improved methods of packing and marketing have yielded the highest prices to our growers.

"The state is naturally divided into three great horticultural regions—the coast, the inland valleys and the inland uplands. Each of these has its own peculiar horticulture. The coast region, west of the Cascade mountains, is characterized by a heavy rainfall, a rich productive soil, a humid atmosphere and very mild winters. It is especially adapted to the culture of small fruits, nuts and to a greater or less degree, apples and pears.

"It is truly the home of the red raspberry and the blackberry. The red raspberry frequently produced canes from 10 to 12 feet high and yields from 400 to 800 crates the acre. The vine-producing blackberry will produce canes from 18 to 40 feet in length and yield from 800 to 1,200 crates the acre.

"The sweet cherry is extensively grown in this region, where it produces large crops of firm fruit which can be shipped to all parts of the United States and Mexico. The tree attains large size and often yields from 800 to 1,000 pounds a tree, bringing from 4 to 10 cents a pound.

"The southern portion of this region is extensively devoted to the production of prunes, and, while there is no longer a prune-growing boom, yet many growers are receiving creditable returns from their orchards.

"Apples and pears are successfully grown in practically all parts of the region and while they have not become commercial factors to any extent, yet there is no reason why they should not.

"The inland valleys are characterized by their rich soil, warm days, cool nights, mild winters, altitude of from 300 to 1,000 feet, and an average annual rainfall of from four to seven inches. With irrigation these valleys at once become the most important commercial peach districts of the United States, as well as very important pear- and apple-producing sections.

WHERE SHALL THE CONVENTION OF 1909 BE HELD?

Nurserymen of the Northwest are prepared to come to the annual convention not only with enthusiasm but also with arguments. They are loaded with arguments because they have as a favorite and pet idea the holding of the Convention of 1909 in Seattle. They will fight for the idea with all their splendid enthusiasm and vigor. The land from which they come is a glorious one, where immensity and grandeur are on every hand and where fertile lands abound. They say that the nurserymen of the East, South and Southwest may well visit this country and see its marvellous fertility, its tremendous orchards and wide-extending fields.

Directly opposed to the Northwesterners are the Nurserymen of the East who declare that the next convention should be held in the extreme East. For a number of years now they have not had the convention in this section of the country. They believe that in all fairness they should have it next year. The convention city for a number of years has been a compromise between the extreme sections.

Nurserymen from parts of the country other than the two named above may also have their ideas as to where the Convention of 1909 should be held. To all appearances at present, however, it seems that the great struggle will be between the men from the extremes, the East and the far Northwest.

AUSTRIANS AS LABORERS.

The immigrant colony at the P. J. Berckmans Co., nurseries, near Augusta, Ga., has been increased to nineteen, and Mr. Berckmans says they are giving him such intelligent and faithful service that he would not part with them under any consideration.

When twelve Austrians, comprising a part of the crowd brought to Georgia by the steamer *Eugenia*, came to Augusta last Christmas, they were taken at the Berckmans nurseries as an experiment; and the experiment proved altogether satisfactory for employers and employed.

Six of the same boatload went to Bainbridge, Ga., and have been at work there on tobacco farms, but they were not so well pleased as the party on the Berckmans nurseries, and as the result of an interchange of letters among themselves, the six men moved over from Bainbridge and have gone to work with the others. The nineteenth was a stray immigrant who landed in Augusta without employment, but who has proven himself one of the most efficient and intelligent men of the gang.—*Horticulture*.

A FROST ALARM CLOCK.

An inventor at Kennewick, Wash., has produced what is termed a "frost killer" for orchardists. The device is a combination of an alarm clock and a thermometer. On the approach of frost the thermometer registers and sets off the alarm, which is placed in the house. Tanks of crude oil are kept in the orchard, 40 to 60 small cans being required to the acre. When the alarm is given the orchardist goes to his oil cans and starts them burning and the temperature of the atmosphere surrounding the trees is raised from two to six degrees, making the threatened danger nothing to be feared.

THE NATIONAL APPLE SHOW.

One thousand dollars in gold will be awarded as a special prize to the grower of the best single apple exhibited at the National Apple Show in the Spokane State Armory, December 7 to 14. The competition is open to the world. In addition, prizes aggregating \$14,000 and numerous trophies, medals, banners and ribbons will be hung up for exhibits in other classes.

Officers of the Spokane County Horticultural Association, headed by H. W. Greenburg, under whose auspices the exposition will be held, have completed preliminary arrangements for the incorporation of the National Apple Show Society under the laws of Washington, with a capitalization of \$100,000, which will be immediately subscribed by local people.

The committee on incorporation and plans is to be composed of Louis W. Hill of St. Paul, president of the Great Northern Railway company; D. C. Corbin of Spokane, president of the Spokane International Railway company; Floyd L. Daggett, formerly mayor of Spokane; Lachlan Maclean, president of the Spokane Canal company; David Brown, president of the Hazelwood company; W. D. Vincent, president of the Washington State Bankers' Association, and Philip T. Beecher, local capitalist. L. F. Williams is chairman of the finance committee, and A. Van Holderbeke, formerly State Fruit Commissioner of Washington, is at the head of the prize list committee.

Growers in all parts of the United States and Canada, as well as Europe, will be invited to send exhibits for competition, and there will be displays in contests between the Pacific and Northwestern states and provinces and the various districts in Washington, Oregon, Idaho, California, Montana and British Columbia.

Advices already at hand are that growers in the provinces of Nova Scotia, Ontario, Quebec, Alberta and British Columbia and New York, Maine, California, Ohio, Michigan, Missouri, Iowa, Nebraska, Massachusetts and several other eastern and middle-western states will enter as contestants, and it is known that practically every recognized district in the Northwestern and Pacific states will be represented. The chief judges of the show will be exporters from England or Germany and experts from eastern and middle-western states.

The prize list will be the largest ever offered in competition for growers of apples. The purpose is to encourage the industry, not alone in the Pacific Northwest, but all over the continent and throughout the world.

The primary object of the organization is to popularize the apple as the great national fruit, by creating a greater demand for high-grade fruit at prices which will leave a profit to the grower without working a hardship upon the consumer. The plan is to educate the people to the knowledge that there is nothing more healthful than a good apple to begin and end the day. Thus will the apple come into its own as the King of Fruits.

To give an idea of the rapid growth of the apple industry in the Northwest it may be mentioned that official reports submitted to Governor Albert E. Mead show Washington

had 3,772,105 producing trees last year, and that 500,000 more will come into bearing this year, when also 1,000,000, one- and two-year-old trees will be set out in various parts of the state. The value of the 1907 crop in this state was \$10,000,000. Expert horticulturists say the yield will bring from \$15,000,000 to \$20,000,000 this year if they are able to secure sufficient help to harvest the crop and adequate transportation facilities to send it to the markets.

REPORT OF SPRING TRADE

At this writing we are still shipping wholesale orders. Retailers and catalogue men are in the midst of billing out. It will take them the rest of the month to finish up. The trade here this Spring exceeds that of a year ago and prices ruling better, some varieties of pear and apple bringing exorbitant prices. Very little stock will be carried over except some varieties of plum. I have never seen such a clean up of apple and cherry of all grades. Never in my time did stock winter any better than the past Winter; no damage was done. I am satisfied that prices will continue good for at least a few more years. About the usual amount of stocks will be planted this Spring, some nurserymen have commenced planting and about the usual amount of stock will be for sale this Fall, and as good as usual. We had an unusual good Spring for handling stock. It is a little early to tell much about collections.—J. M. Kennedy, Dansville, N. Y., April 20, 1908.

THE NEXT WORLD'S FAIR.

By FRANK L. MERRICK.

Now that the Jamestown Ter-Centennial Exposition has closed, all eyes are turned toward the next great world's fair, the Alaska-Yukon-Pacific Exposition which will be held at Seattle, Washington, opening June 1, and closing October 15, 1909.

This exposition will be held in a section of the country where world's fairs are new and for that and many other reasons it is expected to be a success, beneficially, educationally, artistically and financially.

Work on the grounds and buildings of the exposition is well under way and the management is determined to have everything in readiness by opening day. This has been written about all expositions in late years, but the promise has never been completely fulfilled. The officials of the Alaska-Yukon-Pacific Exposition, however, have started out with a completed-on-opening-day idea above everything else, and if they do not carry out their plan it will not be because western energy has not been expanded in the task.

The Alaska-Yukon-Pacific Exposition promises to be different from former world's fairs in many ways, but one policy stands out so far above any of the rest that the entire press of the country is commenting favorably about it. No money will be asked from the Government. This is a new feature for a World's fair.

Obituary.

PROF. W. A. KELLERMAN.

Professor William Ashbrook Kellerman, head of the department of botany at Ohio State University, died in the jungles of Guatemala, March 8, of malarial fever. In company with a number of students, he had left for Central America, December 17, to study the botanical features of that region. Professor Kellerman was born in Ashville, O., 57 years ago, and was a graduate of Cornell University. He was the founder and editor of the *Journal of Mycology* and *Ohio Mycology*, and the author of several botanical works.

MR. WILLIAM OWEN.

Mr. William Owen, of the Greenbank Nurseries, Northwich, died a few days ago at the advanced age of 74 years. He was a most successful orchid cultivator, and was held in high esteem as a judge of horticultural produce.

E. D. DARLINGTON.

E. Dillwyn Darlington, for twenty-five years connected with the firm of W. Atlee Burpee & Co., died at his home in Doylestown, Pa., March 26, after a brief illness with pneumonia. His many friends were much shocked by the entirely unexpected news of his death.

Mr. Darlington was the eldest son of the late Henry T. and Susan Darlington, and was born in Doylestown, November 20, 1858.

Mr. Darlington had a wide knowledge of plant life and was a recognized authority on many varieties of vegetables and flowers. Besides writing numerous leaflets and books for W. Atlee Burpee & Co., he contributed quite frequently to the different horticultural magazines.

WILLIS GRANT JOHNSON.

Professor Willis G. Johnson, Associate Editor of the *American Agriculturist*, died at his home in New York City on March 11. Professor Johnson was well-informed on agricultural topics and fruits and especially on fruit tree pests, having formerly served as state entomologist of Maryland. He had a very wide acquaintance and the news of his death in the midst of his usefulness will be a severe shock to a large circle of friends. Professor Johnson was an earnest, self-reliant, always busy man, courteous and companionable in manner and a ready talker on every phase of farm and garden work. He leaves a wife and two children.

MAJOR EDWARDS H. PRATT.

Major Edwards H. Pratt, president of the T. S. Hubbard Nursery Company, and for 21 years a resident of Fredonia died at his home on Central Avenue here last night. Major Pratt had been ill only since Saturday suffering from an attack of pleurisy, complicated with neuralgia. Dr. Stockton, the Buffalo specialist was summoned, but arrived too late to be of service.

Major Pratt was in his seventieth year. He was a native of Dansville, and had been engaged in the nursery business almost continuously since the close of the Civil War, first at Dansville, then at Geneva, and next at Rochester, from which place he came to Fredonia.

Always actively interested in church, educational and political affairs, Major Pratt will be much missed here. He served two years, in 1893 and 1894, as village president. He was junior warden of Trinity Church for several years, and then succeeded upon the death of the late Judge Barker to his place as senior warden, which place he held at the time of his death. He was one of the organizers and first president of the Monday Club. He was also a member and greatly interested in the state organization of fruit-growers, and the national organization of nurserymen.

Major Pratt organized a company at Dansville early in the Civil War, and served with it through the early campaigns of the Army of the Potomac until after Gettysburg when, with his command, he went South and saw service at Chattanooga. During much of the time he was a member of the staff of General Hooker.

He is survived by one brother, A. D. Pratt of Pittsford, and two sisters, one Miss Anna M. Pratt living in Geneva, and the other being in South Africa; also by three daughters Misses Carrie and Fannie B. Pratt, teachers respectively at Hampton and Richmond, Va., and Mrs. Albert W. Atwood of New York City.

E. J. CASTLE.

The English trade papers record the death of E. J. Castle on March 4, at the age of 39. Mr. Castle was at one time on the editorial staff of "The Gardener." He was an able writer, having a thorough knowledge of practical and scientific gardening and allied subjects.

WILLIAM H. SPOONER.

Wm. H. Spooner, for many years a leading horticulturist of Boston, died on Saturday, March 21, in his 75th year, after one week's illness. Up to the time of his final sickness Mr. Spooner was in his usual health and spirits. At the time of his death Mr. Spooner was the accredited representative of this society in the Massachusetts Board of Agriculture.

Some forty years ago Mr. Spooner was associated with the late Francis Parkman in the exploitation of fancy nursery stock and roses. He then became a member of the firm of W. C. Strong & Co., nurserymen and florists, and, about the year 1872, on the dissolution of this firm, he took the Boston store of the concern on his own behalf and conducted same until bought out by W. J. Stewart, who had been in his employ as manager. He then took up the business of hardy rose importing and growing, which he continued for many years at Jamaica Plain, Mass., afterwards disposing of it to J. F. Shea.

Mr. Spooner was a man of kindly, sympathetic disposition, beloved by a large circle of friends in horticultural circles. He served in the Massachusetts legislature for two terms and was a constant advocate and friend of agricultural progress and legislation. A faithful, conscientious man, he will be missed and mourned.

Business Movements and Activities.

The Sunnyside Nursery Co., Sunnyside, Wash., just recently finished the delivery of last season's stock, and has planted seedlings and grafts for this season. The shipment of seedlings received from France this spring is 100,000 cherries, 110,000 pears, 10,000 plums. They are lining out 300,000 apple seedlings for budding and planting 600,000 apple grafts. They have sufficient peach pits for budding 100,000 during the summer. This company has nurseries at Sunnyside, Grandview and White Bluffs.

At the annual meeting of the stockholders of the Capital City Nursery Co., Salem, Ore., called for the purpose of canvassing the results of the campaign for subscriptions to the capital stock of the reorganized company, it was found that the company still lacked \$8,000 of the required \$50,000. It seemed to be the sense of the meeting that another effort should be made to raise the required \$8,000 and if success was not met with to give up the proposition.

"What this means to Salem," says a local paper, "can be understood when it is known that the Oregon Nursery Co. has the second largest payroll in the city at present, and it is believed the reorganized Capital City Nursery Co. would become still larger, for the country is yet in the infancy of the transformation from a grain growing section to a fruit producer. There are unlimited possibilities ahead for a good nursery in this section."

E. Farley, proprietor of the Denison Greenhouses, Denison, Texas, has had a large trade during the winter, and has had difficulty in attending to it on account of illness at his home. The demand in fact, was greater than he could supply, though he bought all the available stock in his neighborhood in the effort to fill his orders. He will soon add about 1,500 feet of glass to his plant, and already has part of the material ordered.

The lecture season at Horticultural Hall in Boston closed March 28 with a conference on grape growing.

Mr. Suzuki, managing director of the Yokohama Nurseries of Japan, said to be the largest of its kind in that country, is on a tour of the United States. While in Los Angeles a few weeks ago, he appointed Jacob Dietrich, nurseryman, general agent of his firm for southern California.

J. B. Pilkington, the prosperous nurseryman, with a salesroom on Front street, Portland, Ore., also had a good word to say, the sales on trees and shrubbery eclipsing all previous years. Mr. Pilkington was successful in figuring with the Rose Carnival Society and supplied it with several thousand roses.

The Phoenix Nursery Co., Bloomington, Ill., is opening offices in various sections of the country for the purpose of handling the agency force. The latest office opened is at Jackson, Miss.

The Ohio Agricultural Experiment Station, Wooster, O., has issued an attractively printed bulletin entitled "Evergreens, Their Uses and Culture," which will be of interest to nurserymen.

C. F. Dallman, of the Missoula Nursery Co., Missoula, Mont., March 24 shipped two carloads of nursery stock to McDonald & Tighe, of Billings. The shipment included a large number of McIntosh Reds and other varieties, which will be planted by the farmers of the Yellowstone valley.

The philadelphus thrives in almost any well drained soil and often does well in the shade of trees and buildings. Pruning should be done after the shrubs have flowered, as the blossoms appear on the wood of the previous year's growth. By pruning, the shrubs can all be kept within fixed limits of growth.

KANSAS CITY, Mo.—The contract for the nursery stock, consisting of trees and shrubbery to be planted in the city parks, was let, March 2, by the park board to M. E. Chandler Elmhurst nursery, Argentine, Kans. The amount of the contract was \$1,350.

The National Fruit Growers' Association, through its officers and members, has begun a series of uniform observations, to be taken in all parts of the country, with a view to accumulating data showing the adaptability of varieties to the different section. The initial work will be confined largely to the pecan, but other nuts will be taken up in the same way if the expectations regarding the pecan are realized.

The Albany Georgia Pecan Company has purchased a large tract of land at Hardaway, Ga., and has already planted 400 acres in choice pecans.

B. F. Vandervoort, an old nurseryman, has bought six acres of land at Normal, Ill., and is building packing sheds preparatory to starting a nursery.

The nursery business is as good as it ever was, what little falling off is noted in certain localities being fully made up for by gains in the farming communities and in landscaping.

The Elm City Nursery Co., New Haven, Conn., mailed its 1908 catalogue only to customers who have been heard from in the last three years, and the general custom is to distribute the books less promiscuously than heretofore.

W. W. Hunt & Co., proprietors of the Blue Hills Nurseries, Hartford, Conn., have issued an enlarged catalogue this season, thirty-two pages being given to hardy perennial, bulbous and other plants not included under fruits or ornamentals.

The F. R. Williams Co. has let the contract for eight rose houses, each 25x300, even-span and open under the gutters. The Evans ventilator machines will be used, and the firm has placed an order for 38,400 square feet of Everlasting tile bench. They have used this bench for the last five years, for both roses and carnations, and are well pleased with it.

The Palisades Nurseries, Sparkhill, N. Y., have been incorporated with \$15,000 authorized capital stock. The directors named are Angus McGillivray and John M. Stevens, of Palisades, and James Cochran, of New York city.

The Grand View Nursery and Orchard Co., of Des Moines, Ia., will erect a new office building, 24x50 feet, at the packing grounds. The mail order business to date this season is reported to be better than it was in the same period last season.

The Devils Lake Nursery has been incorporated at Devils Lake, N. D., with a capital stock of \$5,000. The incorporators are John W. Maher, Henry Hale and J. E. Maher, all of Devils Lake.

The Storrs & Harrison Co., Painesville, O., is making preparation for added water supply. There are several large storage tanks about the nursery and a four horse-power pumping engine has just been purchased of the Standard Pump & Engine Co., Cleveland, to pump water from the river for the system. It replaces a two horse-power machine previously used.

The L. L. Olds Co., Clinton, Wis., lost their entire plant by fire on March 5. The loss is placed at \$50,000, partially insured.

Superintendent E. C. Hilborn, of the Enderlin schools, Grand Forks, N. D., formerly a student of the North Dakota university, is organizing a new nursery company which is to make its home in Valley City. The promoters and stockholders in the company are: Dr. E. A. Pray, of Valley City; E. C. Hilborn, of Enderlin; P. A. Pickett, of Leal, and O. O. Wagley, of Milwaukee. Mr. Hilborn is

president and treasurer and Mr. Pickett is secretary. The three officials constitute the board of directors. The company has an authorized capital of \$50,000. The firm will be known as the Northwest Nursery Company, and will be ready for business at once.

The New England Nurseries anticipate a lively spring trade and, from orders already received, find but little indication of any decline in the demand for choice nursery stock.

The Bay State Nurseries report business up to date as considerably ahead of 1906, but not quite so good as that of 1907. However, there appears to be more new business coming than a year ago and prospects are good.

The firm name of Shotwell & Graver of Fargo, N. D. has been changed to that of the Shotwell Floral Company, Winthrop B. Shotwell purchasing the interest of J. L. Graver, and will continue the florist and nursery business with A. T. Shotwell under the name given above.

The Southeast Nursery Company of Beaumont, Texas, with a capital stock of \$6,000 has been chartered. Its incorporators are E. McMicken, J. W. Spurlock, T. A. Spurlock and A. Spurlock.

The Olson greenhouses, New London, Wis., have secured a new location just south of the city. Their present quarters were entirely inadequate for their needs and with plenty of room they expect to make the growth of nursery stock and bulbs two important branches of their business. The 57 acres they have secured give them the needed room and the two greenhouses in use at present will be moved to the new site. Three additional buildings will also be erected.

The Central Nursery Company is cutting sweet peas and violets of fine quality which sell readily at sight. The firm also reports orders for nursery stock, etc., in excess of last year.

Mr. Krill of the Prudential Nursery Company likewise reports the nursery business brisk.

George C. Southard, a nurseryman, has decided to establish in Redlands, Cal., a nursery for growing Luther Burbank's spineless cactus. Mr. Southard has made a study of the thornless cactus and has been conferring with Mr. Burbank on the subject. He believes that from the showing the cactus has been making in recent years the plant will in a few more years become one of the leading food products for cattle and other stock and that there will be a demand for the plants for use on the desert.

The Oroville Nursery Co., of Oroville, Wash., has been incorporated with \$1,500 capital stock, by David W. F. Reed, James F. Irving and John R. Fraser.

The city council of Cleveland, O., has passed an ordinance providing for a fine up to \$100 for any person who shall plant a tree without first producing a city license.

The Peters Nursery Co., of Knoxville, Tenn., has now been incorporated with a capital stock of \$25,000. The incorporators are S. V. Carter, L. D. Tyson, G. W. Callahan, R. P. Gettys and R. E. Gettys.

J. W. Shadow, proprietor of the Cedar Hill Nursery and Orchard Co., Winchester, Tenn., has made a voluntary assignment in favor of Hugh Morton, trustee, for the benefit of his creditors.

The George Peters Nursery Co., Dayton, O., notified the service board that they would plant any number of trees and shrubs desired at 36 cents each. This firm was the lowest bidder, but their original bid called for more shrubbery than desired, and it was to secure the work that the nursery company agreed to plant the amount desired at the lower price.

The Alabama Nursery Co., Huntsville, Ala., have just issued a handsome and very complete illustrated book of nursery tools—send for it.

Headquarters have been established in the Savings Bank building, Waterville, Me., by the Phoenix Nursery Co. of Bloomington, Ill., which will be the general office for the state.

Montgomery Ward & Co., the Chicago mail order house, now have a nursery at Arlington Heights, Ill.

J. P. Sinnock of the Sinnock Nurseries, Moberley, Mo., recently closed a deal whereby he sold a carload (10,000) apple trees to an Iowa firm, to be shipped in the spring.

Aloys Frey, head gardener at Lincoln Park, Ind. has bought thirty acres of land northeast of Crown Point. He will establish a nursery immediately.

Gifford Pinchot, United States forester, addressed the St. Louis Society of Pedagogy last week, at the Central high school. In his remarks he said that the forestry problem is becoming critical, and declared that the future will suffer from present carelessness. Professor William Trelease, director of the Missouri Botanical Garden, also spoke. The attendance was large.

Sanders, H. Weber & Sons, J. W. Schuette and Emil Rothenheber have had an exceptionally good year in fruit trees, ornamentals and shrubs of all kinds.

The Superintendent of the University Nurseries of San Francisco will plant half a million young redwood trees in the hills back of Berkeley. The trees are from the State Forest Preserves in Mendocino.

A large iron boiler-house and packing shed has been erected by Domoto Bros., San Francisco to replace one of wood recently destroyed by fire at their Central avenue nursery, Elmhurst.

The Wedge Nursery of Albert Lea, Minn., during the week March 23-29 shipped a carload of American elms to Denver, Colo.

It is announced that Hiram McFeron, of the firm of Kelly and McFeron, Columbus, Ind. has purchased his partner's interest in the nursery business.

The demand for ornamental nursery stock is already beginning to be a feature of the nursery business in the Southwest.

The legislature of Texas is devoting all the time it can spare from railroads to nursery legislation. Texas now has a nursery bill pending.

J. B. Maron, formerly rose propagator with the McGregor Bros. Co., Springfield, Ohio, is now in Chicago. He plans to locate in the vicinity of that city and to establish a nursery for hardy stock. He also plans to do a landscape business.

The plans of the Spokane Nursery Co., Spokane, Wash., for its plant on the North Side include fireproof concrete buildings, some 23,000 square feet under glass, and private water system to be completed at an expense of \$50,000. J. H. Mumm is president of the company.

The North Jersey Nurseries now have their offices at 188 Market street, Newark, N. J.

The Wapato Nursery, Wapato, Wash., has secured a five year lease of the Jesse Peam Trench, 80 acres and another 40 acres. They have in all 200 acres of ground.

The Sneed Nursery and Orchard Co., Tyler, Tex. has been chartered with a capital stock of \$43,000; C. W. Wood, J. F. Sneed, Frank Brunton are the incorporators.

The Parma Nurseries, Parma, Idaho, are to be enlarged by the addition of over 100 acres purchased by the proprietors, the Hawkes Investment Co. The new lands are at Council.

The Christopher Nurseries of Auburn, Wash., are shipping fruit trees and loganberry bushes to Seoul, Korea.

The Southeastern Nursery Co., of Beaumont, Texas, has been incorporated with a capital stock of \$6,000. E. McMickin, J. W. T. A., and A. S. Sporlock are the incorporators.

Clarence J. Kirby of Monroe, Mich., field superintendent of the L. E. Ilgenfritz Nursery Co., fell from the top of a twenty foot ladder some weeks ago. His arm was fractured and his scalp torn.

Mr. C. C. Mayhew, Treasurer and General Manager of the Texas Nursery Company has just returned from a trip North around Springfield, Ohio, and other nursery centers, largely interviewing these growers, and reports having had an enjoyable and profitable trip.

The Kay County Fruit and Truck Growers' Association, of Blackwell, Okla., was organized April 1st. J. L. Vance, president and J. W. Tetrick, secretary. Charter has been taken out, and the organization anticipates a good business this season.

James M. Kennedy, of Dansville, N. Y., called at the business office of the NATIONAL NURSERYMAN during the past month.

Roy D. Underwood was elected mayor of Lake City, Minn., on April 7, 1908. He is one of the well-known and rising young men of Minnesota. He is the son of J. M. Underwood of the State fair board of managers, and as the secretary of the Jewell Nursery Company of this city is prominently identified with the horticultural interests of the State. When he assumes his oath of office he will bear the distinction of being the youngest citizen ever elected to this position.

FRUIT PROSPECTS EXCELLENT.

Fruit growers in the section of country around North Rose, New York, feel confident that a good fruit season is before them. They base their predictions on the way the trees have come through the winter. Conditions are said to be favorable for apples, pears and peaches. Little damage has been done by mice. Growers who have tested peach and apple buds, say that they are in prime condition, better in fact, than before in years. The outlook is also considered good for small fruits. For the strawberry beds the conditions have been exceptionally favorable.

VALUE OF A WINDBREAK.

A large stock farmer of the middle west recently stated that he valued his evergreen windbreak at \$1,000 and that it had paid him dividends of from 20 per cent to 30 per cent per annum, for the past ten years on this valuation. It did so by protecting his buildings and stock from the cold winter winds and saved him an immense amount of fuel and feed.

That the above facts are true is just beginning to be realized by many people. There will be thousands of evergreen windbreaks planted all over the country, during the next few years. Evergreens are as easily grown as any of our common forest trees if a few simple rules are followed in planting and caring for them.

Canadian News.

A HORTICULTURAL CLUB.

The students of the Ontario Agricultural College, Guelph, who are most interested in horticulture, have organized a club through the efforts of Mr. A. McMeans, the Ontario Vegetable Growers' Association representative, and Mr. J. W. Crow, lecturer in the horticultural department. The aim of the club will be to encourage the study and the love of horticulture among the students, and to advance horticultural interests at the college. A reading room to be accessible at all times, has been fitted up in the horticultural building, and in it, all the leading fruit, vegetable and flower papers will be kept on file. New bulletins will be on hand, and a bulletin board will be used to announce new books, valuable articles in the papers, good bulletins, and so forth. A very large majority of the horticultural publications have very kindly agreed to list the club free, and to them, the thanks of the members are heartily given.

Meetings will be held every alternate Monday for the discussion of all matters relating to horticulture. The first regular one was held Feb. 10, and to judge by the enthusiasm and optimism manifested, the club affords an opportunity for good work, and will be a valuable stimulus to the study of horticulture. Its possibilities for the encouragement of the pursuit of horticulture are great, and Mr. McMeans was accorded liberal applause on a live address outlining the place the club should, and could, occupy in the affairs of the college.

The officers elected were: President, A. McMeans; vice-president, R. M. Winslow; secretary-treasurer, J. W. Crow, B.S.A. A committee of students of the first, second and third years was elected to give adequate representation. The paid-up membership totals twenty-seven, and this will be increased considerably in a short time.

The Canadian Horticulturalist.

NAPANEE HORTICULTURAL SOCIETY.

At the annual meeting of the Napance Horticultural Society, the officers of the preceding year were re-elected.

The meeting approved the action of the directors in offering to supply vines and decorative shrubs for any of the churches in town, adding the single condition that the church authorities undertake to take proper care of them. The Harvey Warner Park, which has been under the special care of the Society, will receive some additional attention during the coming year.

The spring distribution of seeds will be a generous one and will include the school children as well as the members. Prizes will again be awarded to the children producing the most satisfactory results.

The event of the evening was an address prepared by Mrs. W. H. Wilkinson, the first president of the society, and forwarded to the president from Switzerland. The descriptive powers of the writer found ample scope for exercise in portraying her experiences during the last 30 months in England and upon the continent, with special reference to parks, horticultural gardens and rural drives she had visited. The address was intensely interesting and was greatly appreciated by the members. The address was followed by "a question drawer," which proved attractive and instructive.

Canadian Horticulturalist.

COMPULSORY SPRAYING.

In every state and in every farming community there is always one man at least who is behind the times, who neglects his trees and lets insect pests and fungous diseases run riot. His neighbors are progressive, up-to-date-orchard men or nurserymen. They cultivate the ground, feed the trees and spray for insect pests and fungous diseases.

The trees of the easy going farmer are infested with almost every kind of disease yet he won't cultivate, he refuses to spray and he won't cut his trees down. All that he will do is to grumble when his neighbors remonstrate with him. Now, in Oregon if a man fails to spray for San José scale, the authorities do it for him and tax him for the work. This is as it should be. How many other states have a similar law? How many are taking steps to secure the passage of such a law?

With the Societies

The Tennessee Horticultural Society elected the following officers for the ensuing year: President, R. A. Wilkes, Culleoka; vice-president for East Tennessee, W. H. Fox, Gravesville; Middle Tennessee, J. W. Garrett, Lawrenceburg; West Tennessee, W. P. Wade, Kenton; secretary and treasurer, Chas. A. Keffer, Knoxville.

A horticultural society has been permanently organized at Free-water, Ore., and will be called the Milton-Freewater Horticultural Society. Following are the officers elected: President, T. L. Ragsdale; vice-president, C. E. Simondus; secretary, D. C. Sanderson; treasurer, W. Forsythe; directors, A. Tanke, E. P. Jensen and Howard Evans. A series of meetings is to be held in the near future in Milton. Tum-a-Lum grange, Ferndale and Bienkie hall, in the interests of horticultural education.

The spring show of the Pennsylvania Horticultural Society was held on Tuesday, Wednesday and Thursday, March 24-26 in Horticultural Hall, Philadelphia.

Professor H. S. Jackson of the Delaware Experiment Station was the speaker at the weekly meeting of the Massachusetts Horticultural Society on March 11. His subject was "Disease Resisting Varieties of Plants and Their Development."

On Wednesday, March 11, 1908, the Worcester County Horticultural Society held its annual banquet and reunion in Horticultural Hall, about 250 people attending. John B. Bowker was toastmaster. Among those who spoke of their work, and told entertaining stories were: C. S. Gold, president of the Connecticut Pomological Society; I. L. Harvey, vice-president of the New Hampshire Horticultural Society; J. W. Clark, the new president of the Massachusetts Fruit Growers' Association; Prof. F. C. Sears of the Massachusetts Agricultural College; Edwin H. Burlingame, secretary of the Rhode Island Horticultural Society; Dr. George M. Twitchell of Augusta, Me.; A. Warren Patch of Boston, and Joseph K. Greene. The Midgley quartet, composed of Leonard C. Midgley, Mrs. Harry Hildreth, and Mr. and Mrs. Percy G. Forbes, sang selections while, Mr. Forbes and Mr. Midgley sang two duets. The exercises closed with a selection by the quartet. The guest adjourned to the main hall, where the Light infantry orchestra played for dancing until 12 o'clock.

The Pennsylvania Horticultural Society opened its spring exhibition in Horticultural hall on Tuesday, March 31. The show continued for two days.

Robert Cameron, superintendent of Harvard Botanic Garden, delivered a lecture before the Massachusetts Horticultural Society. His subject was "Annuals and Biennials," and he said, in the beginning:

A schedule of the prizes offered by the North Shore Horticultural Society, Manchester, Mass., for 1908 has been issued, and copies may be secured by addressing the secretary, James Salter. The society will hold two exhibitions during the year, one July 1 and 2 and the other August 26 and 27.

The St. Louis Horticultural Society held its second Spring flower show last week in the Masonic Temple Building, Grand avenue. The exhibition this year was not so large as the last one, and the attendance was smaller, owing to the fact that admission was charged,

whereas last year it was free. The bad weather also had an effect on the attendance. The exhibition itself was neatly arranged by the executive committee, with plenty of room for all exhibits, except the nursery display, which was crowded into a small side room.

The annual rose and carnation night of the Lenox Horticultural Society occurred March 7, and was the most successful of any ever held.

A well attended meeting of the Tarrytown Horticultural Society was held at Good Templars' hall, Friday evening, March 27. President Angus filled the chair, and in the absence of Secretary Neubrand, William Scott was appointed secretary pro tem.

Most of the prizes given last year at the fall exhibition will be duplicated so the outlook is bright for the next November show. The committee in charge is busy preparing the schedules and they will be sent to all concerned in due time.

The St. Louis Horticultural Society has issued its first bulletin, naming in it a list of prizes for the best gardens, window or porch boxes and back yards, in all amounting to \$185. The committee on awards will make inspections from time to time and the prizes will be awarded during the fall show.

The officers of the Tennessee Nurserymen's Association, elected at the recent convention at Nashville, are: President, Frank McCord, of Nashville; vice-president for West Tennessee, H. A. Byrns, of Silvia; vice-president for Middle Tennessee, E. W. Chattin, of Winchester; vice-president for East Tennessee, E. S. Dougherty, of Knoxville; secretary-treasurer, G. M. Bentley, of Knoxville.

Peter Youngers, of Geneva, has been elected treasurer of the Nebraska State Horticultural Society to serve his twenty-second consecutive term.

The Spokane County Horticultural Society is making elaborate arrangements to entertain the Washington State Horticultural Association during its annual convention in Spokane, December 7th to 12th.

The farmers in the section of the country around Winlock, Wash., completed preparations, March 30, for the organization of a fruit-growers' association. C. M. Nelson, S. A. Davis, A. Provost and A. Roush were elected directors and will take care of the management of the association. The association will erect during the coming summer, a cannery in Winlock to care for the fruit.

The Whitman County Fruit Growers' Association has been organized at Colfax, Wash. W. L. LaFollette is president and W. S. Thornber, secretary.

The Fresno Fruit Growers' Company has been organized at Fresno, Cal., by A. R. Nicholson, G. A. Hare, J. L. Maupin, E. Y. Foley, H. V. Rudy and B. E. Hutchinson, of Fresno, and G. W. Wyllie, of Dinuba. The tonnage of fruit represented by this new organization, it is said, will make it of considerable importance.

The American Seed Trade association will meet in Detroit, June 23-25 to hold its 26th annual convention. Ample hotel accommodations have been obtained at reasonable rates.*

AN ORCHID SOCIETY PROPOSED.

A meeting is to be called for next week in New York for the purpose of discussing the desirability of organizing a society devoted exclusively to the interests of orchid culture. It is proposed to hold periodical exhibitions under the auspices of the society in various centres. Both amateur and professional orchid fanciers are interested in the movement.

HORTICULTURAL SOCIETIES IN ENGLAND.

A meeting of the Royal Caledonian Horticultural Society took place in the Royal British Hotel, Edinburgh, Tuesday, February 25. The attendance was small but representative. A token of esteem was presented to Mr. P. Murray Thompson who leaves Edinburgh to become estate agent to Mrs. Perkin Movis in Cumberland.

The exhibition held March 3d by the Royal Horticultural Society was the best held so far this year. The exhibits were many and of high grade.

HOW TO ACCOMPLISH A DOUBLE PURPOSE THROUGH FUMIGATION.

The investigation recently undertaken by Mr. W. B. Cole concerning the attitude of various state officials in regard to fumigation has suggested that perhaps a similar inquiry might be made to good advantage, among representative nurserymen concerning their practices and opinions as practical men, regarding the efficacy and desirability of fumigation.

It has been well established in an experimental way that fumigation with Potassium Cyanide, if properly carried on, is effective; also, that if not carefully carried on results will not be satisfactory. Perhaps the best treatment of the subject is found in the book of the late Prof. W. G. Johnson, "Fumigation Methods." Too much attention cannot be given to thoroughness in preparation and the use of high grade Potassium Cyanide. Not only is the quantity of gas liberated materially lessened by goods carrying less than 98% purity, but there is a possibility of undesirable sulphurous fumes which are not at all beneficial to the accomplishment of the object of fumigation.

It would also be interesting to know how many nurserymen recognize the value of the residue after treatment of the Cyanide of Potash with Sulphuric Acid. It may not be a large item, but to those who purchase commercial plant-food, it should be known that this residue is Sulphate of Potash and worth almost \$3.00 per cwt. in their fertilizer. The value of potash in the development of young stock is recognized to consist largely in the stiffening of the plant tissues, a process which probably effects the later fruitfulness of the tree. In the growth of field crops the value of potash is recognized also as a nitrogen restrainer, enabling the plant to resist disease. Too little attention is given by most nurserymen to the soil on which unusual demands are made through close planting. Why not consider more the feeding of young nursery stock? At least, kill two birds with one stone and use the valuable residue from Cyanide fumigation, preferably using along with it however, a double quantity of Bone or Acid Phosphate.

WALTER PATTERSON.

PISTACHIO AND DATE.

In connection with its foreign exploration work the United States Department of Agriculture maintains field testing gardens where the seeds and plants so secured may be propagated with a view to their dissemination if found valuable. The principal one of these gardens, located at Chico, Cal., is more than eighty acres in extent and is actively engaged in the testing and distribution of numerous things received through the explorers. A total of 53,270 plants were distributed from this garden during the last year.

Much attention is being given to the introduction and culture of the pistachio nut, says Dr. B. T. Galloway, chief of the Bureau of Plant Industry. New hardy stocks of this promising dry land nut crop have been secured from Turkestan, China and the driest deserts of the Old World. About 16,000 seedling pistachio trees were propagated at the Chico garden last year for distribution throughout California, Texas, Arizona and adjacent localities.

Another promising horticultural crop which is being introduced is the date palm. The palms which have been introduced by the department into southern California and Arizona have borne hundreds of pounds of delicious fruit, indicating that the work on this unique desert culture will pass from the stage of a pure experiment to that of a new industry. We are now conducting extensive life-history in-

vestigations of the date palm, in order to ascertain its exact soil, climatic and cultural requirements. Similar work is also being applied to the fig, pistachio and other crops, with promise of valuable results.

One of the introductions to which particular attention has been given is the Japanese salad plant, udo, which grows well in many sections of this country and is handled and served much like celery. To secure the extensive use of the plant, however, will probably take considerable time, as the taste for it is a cultivated one, like that for the olive, mango, etc. It is a promising introduction, however, and is already being widely disseminated and distributed.

SAN JOSE SCALE RAMPANT.

KENDRICK, IDAHO.—B. C. Dowd, deputy inspector for this section, has returned from a trip in the American ridge, Little Potlatch, Julietta and Kendrick sections, examining the orchards and fruit trees for San José scale on Potlatch creek, at the Snyder farm he found the lessee had dug up his orchard in an effort to stamp out the scale, which had practically covered the farm.

In Julietta most every tree was found to be infected, and for a radius of four miles up the canyon to Kendrick and two miles up the Little Potlatch the scale was abundant. The Adams place had received earnest attention, and through constant spraying the orchard was clean, although entirely surrounded by trees infested with the pest. Mr. Dowd also said that a batch of trees just received from a nursery in Oregon was found to be covered with the scale, and he had taken the proper steps for their destruction.

To those places or farms where the scale was found the inspector gave the proprietors 30 days to either spray or dig up the trees.

ORONDO GROWERS ORGANIZE CLUB.

The fruit-growers of the Orondo, Washington, have organized an association with the following officers: William Edmund, president C. Ross, vice-president; A. E. Swan, secretary. The new association is independent of the Chelan county organization and is the only one of its kind in Douglas county.

It is the intention, when more organizations have been formed to perfect a Douglas county organization.

The Orondo organization will partake of the nature of a commercial club and also of a social body.

The new potato, *Solanum commersoni* violet, about which much has been written, has not in all cases realized the expectations of its friends. Some French growers claim for it considerable disease-resisting and frost-resisting powers. In Ireland, however, a series of experiments, conducted by the Department of Agriculture, go to show that this potato has not established any claim for special consideration, and that there are many superior varieties.

VISITORS TO KEW.

The number of visitors at the Royal Gardens, Kew, speaks for the interest which the English people take in gardening. The visitors during 1907 numbered 2,962,714. It is interesting to notice that this shows an increase of 623,222 upon the visitors during 1906. The average number of visitors for the ten years 1893 to 1902 was 1,352,425, so that the record for 1907 was more than double that average. The average attendance for 1903 to 1907 was 2,011,748, the figures for the several years being, respectively, 1,352,548, 1,579,666, 1,824,319, 2,339,492, and 2,962,714. The total Sunday attendance for the same years amounted to 568,726 in 1903, 675,225 in 1904, 853,631 in 1905, 867,148 in 1906, and 1,268,501 in 1907. These figures prove how increasingly popular these national gardens have become.

McKINNEY, TEXAS, March 7, 1908.

THE NATIONAL NURSERYMAN,

Rochester, N. Y.

Find enclosed \$1.00 and push my figures up again.

Can't miss a number of THE NURSERYMAN.

Hope to meet you and all that happy host of Flora's agents at the city made famous.

E. W. KIRKPATRICK.

Correspondence

SULTAN, WASH., March 17, 1908.

EDITOR OF THE NATIONAL NURSERYMAN:

Dear Sir:

Your letter of ---- is at hand. I may say that the Horticultural Society has given up the ghost in Sultan, but the Commercial Association has been organized and is very much alive and looking after all interests as much as possible.

We have not reached the point where we need to be in touch with all parts of the country, but we will in due time.

The logged-off-lands question is the paramount one just now. As soon as that is settled then will many thousands of acres of good land in this county be made into farms for fruit, hay and vegetables. A few years hence there will be a large population here that will be sending fruit to the far east.

In the meantime we must grub out stumps.

Yours truly, THOS. W. MUSGROVE,
Secretary-treasurer.

NATIONAL NURSERYMAN PUB. CO.,

Gentlemen:

We thank you for the good results from advertising with you this winter.

Yours truly,

D. S. LAKE.

NATIONAL NURSERYMAN PUB. CO.

Enclosed find check for \$1.00, for which please mark us up on subscription. We cannot keep house without your paper. We have had a good season of sales, and a great prospect of fruit.

Yours truly, J. W. TETIRICK & SON.

CATALOGUES RECEIVED.

We learn that McHutchinson & Co., of No. 17 Murray St., N. Y., have been appointed sole agents for the United States and Canada for the Royal Tottenham Nurseries, Dedemsvart, Holland, which firm are very large growers of herbaceous stock, perennials and etc., and can ship to all parts of the world.

Nut Growers are notified that the proceedings of the Jamestown convention of the National nut growers' association are ready for distribution. The volume contains 125 pages, has a fine half-tone engraving of Pres. E. W. Kirkpatrick, reports of standing and special committees and stenographic report of all discussions. It may be secured for 50 cents from Sec. J. E. Wilson of Poulan, Ga.

ANNOUNCEMENT

Mr. A. Chandler Manning wishes to announce that he has opened an office for the practice of Landscape Architecture at Reading, Mass.

FOR SALE

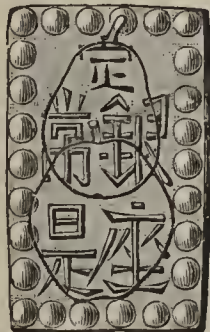
A few thousand peach in commercial varieties. Fall 1908.

R. R. HARRIS, Harrisville, W. Va.

SPAGNUM MOSS

A few carloads in bulk still on hand. In 100-lb sacks, 60c each

Z. K. JEWETT & CO., Sparta, Wis.



HEIKES-- HUNTSVILLE -- TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Niel.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

THE YOKOHAMA NURSERY CO., Ltd. 31 Barclay Street, New York

IMPORTERS OF Japanese Nursery Stock

LILIES, PEAR, CHESTNUT
AND WALNUT SEEDS, ETC.
Ask for quotations. Illustrated
General Catalogue of our Yoko-
hama House free on application.

MAIN OFFICE:

31 NAKAMURA, YOKOHAMA

BRANCH OFFICE:

CRAVEN HOUSE, LONDON

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

R. DOUGLAS' SONS

WAUKEGAN NURSERIES

Waukegan, Illinois.

EVERGREEN SEEDLINGS
IN LARGE QUANTITIES

EVERGREENS FOREST TREES

Largest Stock in America, including
Colorado Blue Spruce and Douglas
Spruce of Colorado.

RARE — HARDY — BEAUTIFUL

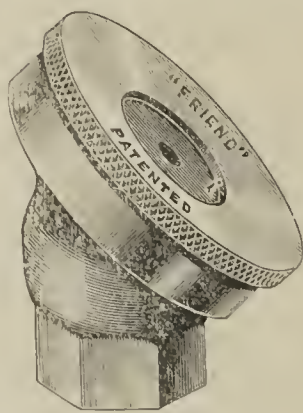
A full line of Ornamental Trees and Shrubs.

Established 1848.

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch,
well branched and good roots, 10,000 Vinca Minor, (Grove
Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch,
one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

HERE IT IS---The Very Latest



“Friend” Angle SPRAY NOZZLE

Sprays up under the leaves and down into the CALYX.
Price to introduce, \$1.50 postpaid. Satisfaction guaran-
teed or money refunded. Special discounts to Agents.

Friend Mfg. Co., Gasport, N. Y.

Mfrs. of the world's best Hand and Power Spraying Outfits

When writing to Advertisers mention The National Nurseryman.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:

200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamelis Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yucca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Frutosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.
At lowest prices. Send for trade list.

FOREST NURSERY AND SEED COMPANY,
R. F. D. 2, McMinnville, Tennessee

Colombe-Lenault-Huet, NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous
Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,
WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and
General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have
our usual supply of Cherry, One and Two Year,
that promise very fine.

While we grow Cherry in larger quantities than
any other Stock, we also have a very complete line
of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade
Trees, etc.

CAR LOAD LOTS A SPECIALTY.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch
nursery in Monticello, Florida.

H. M. SIMPSON & SONS,
Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.

Young Plants for Lining Out

New price list. This, our Annual Offering, is too well-known among nurserymen to need comment here. As usual the important point is to *place your order NOW*. Many other sizes are already exhausted

These plants are of the usual high quality—healthy, stocky and well-rooted—and represent a mighty good investment for the nurseryman. A season's growth sends their value far above our present price. The list is at least worth having. *Do it now* or the other fellow may get just what you want. Remember—ORDER NOW.

'Red Star' Raffia

So sure are we of its uniform, good quality that should any prove otherwise we will replace it. *We assume all risk.* 'Red Star' brand is the best for the money. Sample free.

French Crab Seed.

A few bushels still unsold. Write promptly if you wish any.

Have You Received a Copy ?

In addition to quoting extra large specimen stock, our new Spring Wholesale Catalog (for the trade only) lists an immense assortment of hardy, ornamental trees, shrubs, evergreens, vines and herbaceous perennials. *And it is the better grade of stock.* No dealer can afford not to have this catalog on file. Ask for a copy ?

Thos. Meehan & Sons, Inc.

300 ACRES OF TREES AND SHRUBS

Dreshertown Box T.

Penna.

TAKE NOTICE

500,000 PEACH TREES FOR FALL, 1908

ALL THE LEADING VARIETIES
CAN SHIP IN CAR LOAD LOTS

APPLE, PEAR AND PLUM, one and two year old

CHERRY, one year, fine assortment

CAROLINA POPLARS, MAPLES,

ARMOR RIVER and CALIFORNIA PRIVET

GENERAL LINE OF OTHER NURSERY STOCK

WRITE FOR PRICES

COMMERCIAL NURSERY CO.

WINCHESTER, TENN.

IN STORAGE

Cal. Privet, 2 year, 18 to 24 inches.

Cal. Privet, 2 year, 2 to 3 ft.

Cal. Privet 2 year, 3 to 4 ft.

Ampelopsis Veitchi, Hydrangea, Etc., Etc.

HIRAM T. JONES, Union Co. Nurseries,

Elizabeth, N. J.

North Carolina Natural Peach Pits

You always have a stand of healthy seedlings when you plant North Carolina Naturals. Orders will be booked now and filled in order booked. Let me hear from you with estimate of wants and I will make prices right.

REFERENCE BRADSTREET.

Address, JOHN A. YOUNG

GREENSBORO NURSERIES,

GREENSBORO, N. C.

When writing to Advertisers mention The National Nurseryman.

2 1/2 Inch Pots

ROSES

4 Inch Pots

On own roots, summer grown, winter rested, for lining out.

Send want
list to

THE LEEDLE FLORAL COMPANY®
SPRINGFIELD, OHIO.

400 Best
Varieties

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees, Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seedlings, including Catalpa Speciosa. Small Shrubs for transplanting. Special prices quoted on Snowballs, Spirea Van Houttii, Revesii, and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft. Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

TWO HUNDRED ACRES FIELD GROWN ROSES

Own Root—Leading Varieties

SHRUBS, JAPANESE IRIS, PAEONIES

In Thousand or Car Lots

THE UNITED STATES NURSERY CO.
RICH, MISS.

New Amsterdam Hotel

4th Avenue and 21st Street, NEW YORK



European Plan

Rooms with use of Bath \$1.00 and up. With Private Bath \$2.00 for one \$2.50 for two and upward.

NEW BATHS and PLUMBING

Most Convenient Location in City

From 23rd Street railroad ferries or from Grand Central Station, take cars direct to hotel; no transfers.

SPECIAL RATES MADE

When writing to Advertisers mention The National Nurseryman.

H. FRANK DARROW

26 Barclay Street, New York

Sole American Agent for

LOUIS LEROY'S NURSERIES

ANGERS, (FRANCE)

Growers and Wholesale Exporters of Fruit and Ornamental Stocks, Shrubs, Manetti and Multiflora, etc.

H. M. HARDYZER

BOSKOOP, (HOLLAND)

Grower and Wholesale Exporter of Roses, Clematis, Rhodendrons, Evergreens, Hardy Azaleas, Paeonies, Conifers, etc.

JOHN PALMER & SONS, LTD.

ANNAN, (SCOTLAND)

Growers and Wholesale Exporters of Whinham Industry and other Gooseberries, Currants, Norway Maples, Manetti Stocks, Rhodendrons, Roses, Evergreens, etc.

Direct Importer of Japanese and Bermuda Lilies. Holland and French Bulbs.

Import and Export Shipments promptly and carefully attended to.

Special attention given to market values for custom purposes.

H. FRANK DARROW

26 Barclay Street

NEW YORK

The L. Green & Son Co.

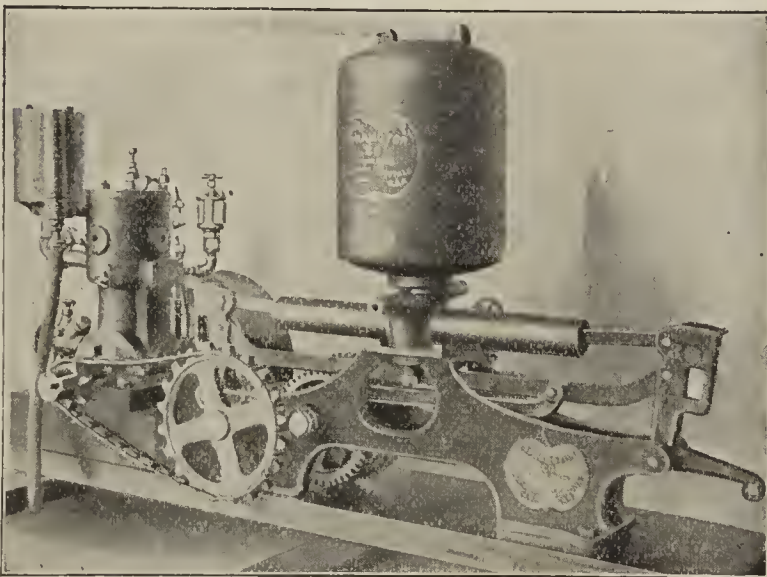
PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 1 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

This will show the Gasoline Power Spramotor that has been used by the Dept. of Agriculture under P. W. Hodgetts, Sec'y, to whom we refer intending purchasers. It is guaranteed in every respect; has a capacity of 16 nozzles operating together at 150 lbs. pressure. Fills its own tank; has two speeds; operated by any gasoline or other engine. Can be fitted on top, at side or end of tank. We will supply wagon, platform tank, engine, derrick all complete or in part as desired. Write for full particulars.



SPRAMOTOR CO., 1235 Erie Street, BUFFALO, N. Y.

SURPLUS

We have a specially fine lot of the following stock, all first class, well grown, properly transplanted, A No. 1, on which we would be glad to make special prices.

WE CAN OFFER BY THE THOUSAND

Silver Maples, 1 1-4 to 1 1-2"

Lonicera Tartarica, 2 to 3 ft. and 2 to 4 ft.

Philadelphus Aurea, 15 to 18" and 18 to 24" heavy

Aralia Spinosa, 3 to 7 ft.

White Pine, 3 to 4 ft. and 4 to 5 ft.

American Arbor Vitae, 2, 3, 4 and 5 ft.

Ampelopsis Veitchii, 2 and 3 yrs. field grown

WRITE FOR QUOTATIONS

AMERICAN NURSERY COMPANY

SALES DEPARTMENT, 150 Broadway, New York

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors
ANGERS, FRANCE,
are now booking orders for
SEASON, 1908
FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.
For Quotations apply to
ANDRE L. CAUSSE, Sole Agent,
105-107 Hudson Street :: :: New York City.

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,

Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem Kieffer and LeConte Standard Pears 2 yr. fine trees; Can offer 50,000 Peach Seedlings, grown from Natural Peach Pits, nice size for lining out in Nursery for budding, or suitable for grafting in the South, also a nice lot of Japan Pear Seedlings. Correspondence solicited.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

AT AUCTION! SHRUBS AND HARDY ROSES

Beginning MARCH 31, 1908 and thereafter every TUESDAY and FRIDAY until further notice, at 9:30 A. M., we shall sell at PUBLIC AUCTION the largest and most varied assortment of HIGH CLASS FLOWERING SHRUBS ever brought to this side of the Atlantic. They embrace Rhododendrons, Azaleas, Clematis, Hydrangeas, Snowballs, etc. Also thousands of the finest HARDY ROSES; also FANCY EVER-GREENS—Box, Golden, Juniper Retinospora, etc. This elegant assortment meets all possible tastes for Landscape Effects, or Veranda, Hall, Restaurant, or Hotel Adornment—and ALL AT YOUR OWN PRICE. Don't miss this grand opportunity. First sale of the season. Handsome Catalogue at sale. We guarantee all stock first class unless otherwise stated at sale. Send for catalogue.

N. F. McCARTHY & CO.,
HORTICULTURAL AUCTIONEERS
84 HAWLEY STREET, BOSTON, MASS.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,
10,000 Peach, 1 year, 1 to 2 feet,
10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
50,000 Peach, June Buds, 18 to 24 inches.
1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON, Bridgeville, Del.

Bridgeport Nurseries

C. M. HOBBS & SONS

—Successors to—

ALBERTSON & HOBBS,
: BRIDGEPORT, IND. :

FOR SPRING OF 1908

PLUMS (large stock, all grades) European, Japan, AMERICANA, CHERRIES, PEARS, Std. and Dwf. (all grades), APPLE, PEACH, QUINCE, GRAPE, CURRANTS, SMALL FRUITS, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, ROSES, etc., etc. APPLE SEEDLINGS, FOREST SEEDLINGS, IMPORTED CHERRY, PEAR, PLUM SEEDLINGS.

Our SPADES the cheapest and best in the market.

We can supply a quantity of light grade pear, cherry, apple, peach and plum.

We also have a fine lot of C. Poplar and Ornamental plants. Unusually fine lot of Burberry. Thumbergii. Special prices on light grades Fruit Trees Polars and Thumbergii.

WANT LISTS PRICED PROMPTLY.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for WHOLESALE
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors, Orleans, France

THE WINFIELD NURSERY CO.

Winfield, Kansas, yet have to offer 1-2 and 9-16 inch **Elberta**, a few **Speciosa Catalpa**, some fine, well grown **Shade Trees** and a small quantity of well home grown and **Imported Mahaleb**.
Watch our future advertisements.



The Winfield Nursery Co.
WINFIELD KANSAS

Nursery Stock makes heavy demands on the soil—

POTASH Supplies the Demand

and prepares the young tree for future fruitfulness. Don't expect to grow disease-resistant stock on exhausted ground, but replenish the soil with a fertilizer supplying needed Potash, Phosphoric Acid and Nitrogen.

For interesting information about Potash and its important rôle in the nourishment of trees, shrubs and plants, address

GERMAN KALI WORKS

New York—93 Nassau Street
Chicago—Monadnock Bldg. Atlanta, Ga.—1224 Candler Bldg.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.
A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

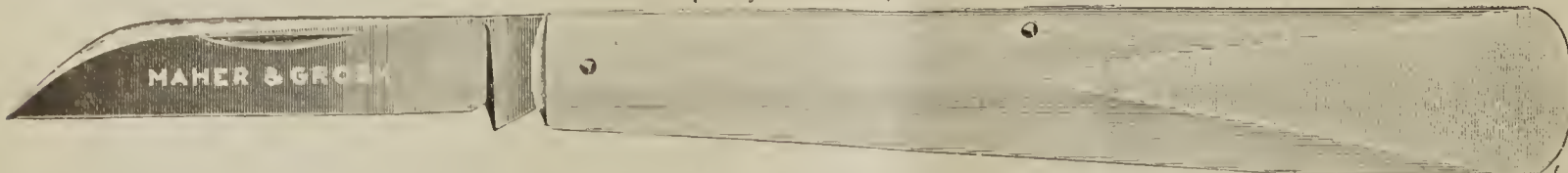
LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere.



BUDDING KNIFE No. 94. Sample by mail, 25c.; 6 for \$1.25.



PROPAGATING KNIFE No. 89½—50c. Blade Closes. You have paid 75c for a much poorer knife.

NURSEYMEN'S KNIVES

Hand Forged

Razor Steel

Warranted

Nursery Pruner - 50 cts
Pocket Pruner - 60 cts
Pocket Budder - 35 cts
Pocket Grafter - 40 cts

We Solicit Direct Trade

Send for 12-Page Special
Nursery Catalogue

90 ADAMS STREET

MAHER & GROSH CO.,

TOLEDO, OHIO

When writing to Advertisers mention The National Nurseryman.

GRAPE VINES

All Grades.

How do you know my prices unless you ask? What is there here that you want?

Light grades for transplanting. Grape Cuttings—Concords, Moore's Early, Niagara and Worden.

Concord	Brighton	Niagara	Clinton	Pocklington
Catawba	Ives	Worden	Champion	Delaware
	Moore's Early	Martha		

Grades and quality as good as the best. Let me quote you.

F. E. Schifferli, Fredonia, N. Y.

A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere.

Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees, Seeds.

Specialties: Black and Honey Locust, Mulberry, Myrobalans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.

Correspondence Solicited.

Catalogue and Prices Free on Application.

ESTABLISHED 1868

F. W. MENERAY CRESCENT NURSERY CO.

Council Bluffs, Iowa

INCORPORATED

Large stock of Apple and Crab for Spring 1908, also Cherry, Plum, Pear, Gooseberry, Deciduous Trees and Ornamental Shrubs.

Write for prices on one or more cars of Apple.

Large growers of Pæonies, 90 Varieties.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

THE NEW HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

WOOD LABELS FOR NURSEYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

ESTABLISHED 1859

PEACH SEED

We have yet on hand several hundred bushels of choice Peach Seed, all crop of 1907, which we offer at liberal prices and terms for immediate delivery, or for spring planting. Sample and prices cheerfully furnished

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler
IT DOES THE WORK. PRICE \$16.00.

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER
NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

Dreer Specialties
for Spring 1908

Hardy Perennials

Japanese Anemones
Aquilegias
Hardy Asters
Delphiniums
Hardy Ornamental Grasses
Heleniums in variety
Helianthus, large assortment
Hollyhocks, heavy field plants
Japanese Iris in fine assortment
Paeonies Herbaceous and Tree
Phlox, best in the country
Pyrethrums, double and single
Rudbeckias in variety
Tritoma Pfitzeri and other
Veronicas, Etc., Etc.

Decorative Plants, Dahlias, Hardy Climbers, Roses
in five and six inch pots for immediate effect.
Water Lilies and Aquatic Plants, Etc., Etc.

Henry A. Dreer,
714 Chestnut Street, Philadelphia

Probably Every Advertiser in this Paper

has received recently a booklet telling all about

The
National Florists' Board of Trade
56 Pine St., New York City

The Board is offering special terms on its Credit and Information
List to new subscribers who will promise to send it all their collec-
tions for the balance of the year. Full particulars given on request.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery

WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices
can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN and
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.
MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.
Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other
AMERICAN PLANTS.

(A good stock of all hardy varieties of
Rhododendrons).

CLEMATIS and other HARDY CLIMBING
PLANTS.

Transplanted FOREST TREES.
The stock is in excellent condition.
Large quantities shipped annually.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR IND. Mfrs. of Planished Sheet Steel

PAN HANDLE NURSERIES,

GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

EUONYMUS

Radicans 1—1 1-2 ft. and 2—2 1-2 ft.

ATTRACTIVE PRICES.

Brae-Burn Nursery - West Newton, Mass.

HORTICULTURE IN GREAT BRITAIN AND IRELAND



TWO-PENCE

WEEKLY

A High-class Illustrated Journal dealing with every phase
of Horticulture under Glass and in the Open Air.

ESTABLISHED IN 1833
PRINTED ON ART PAPER

ORCHIDS, ROSES, LANDSCAPE GARDENING, FRUIT, HARDY
FLOWERS, STOVE AND GREENHOUSE, ETC. SPEC-
IAL REPORTS OF FLOWER SHOWS,
CONFERENCES, MEETINGS, ETC.

Illustrations of New and Beautiful Flowers, Fruits,
Trees, Picturesque Gardens, Etc.

TERMS OF SUBSCRIPTION—\$3.65 Per Annum. Single Specimen Copy, 6c Postpaid
Offices: 148-149 Aldersgate Street, LONDON

FOR SEASON OF 1908-'09

Budded and Grafted Pecans

Lecont and Kieffer Pears, Hardy
Oranges, Plum, Persimmon, Fig,
Mulberries, etc. A full line of Orna-
mentals and Shade Trees.

QUANTITY AND QUALITY
CORRESPONDENCE SOLICITED

ARCADIA NURSERIES

MONTICELLO, FLA.

Victor Detriche, Nurseryman

ANGERS, FRANCE.

Grower and Exporter of
FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Mazzard,
Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora, Forest
Trees, Ornamental Shrubs and Evergreens, Conifers and Roses.

Catalogue and prices free on application.

Write direct, I have no agent.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry,
One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and
Mariana Stocks. Ask for prices.

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP
1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER
AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

Grafted Pecan Trees

THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.

Headquarters for London Planes, Tilia dasystylla. Dutch
Elms in extra fine specimens. Hydrangea paniculata grandiflora.
Silver variegated Maples.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

LABELS FOR NURSEYMEN

THE BENJAMIN CHASE CO., Derry, N. H.

When writing to Advertisers mention The National Nurseryman.



Everything in
Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

Azaleas

Ghent-Mollis
and Native

Rhododendrons

Hardy Hybrids
all sizes

Boxwood

Pyramidal
Standard

Rare Evergreen Trees and Shrubs
Specimen Stock

Herbaceous Perennials OVER 1000
VARIETIES

We grow everything required for Garden, Lawn and Landscape Planting and furnish complete lists. General catalogue and trade list on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

Send list of wants for lowest prices
c. o. b. here.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSEBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to

HERMAN BERKHAN, Sole Agent, 133 Reade Street, New York

Sole Agent for United States and Canada

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

Nurserymen's Stock Books

Revised Edition; 68 pages, 16x21 inches. Printed on good quality ledger paper, and bound in tough tag board.

PRICE \$2.00. Sample Leaf on Application

SCRANTON WETMORE & CO.

ROCHESTER, N. Y.

W. FROMOW & SONS, Windlesnam, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1908, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



SPANISH CHESTNUT

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it, Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen—Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

The Geneva Nursery

**CHERRY, PLUM,
PEAR, QUINCE, PEACH, APPLE**

Headquarters for

Fruit and Ornamental Trees, Shrubs, Berries,
Phlox, Clematis, Evergreens, Paeonies,
Azaleas, Rhododendrons.

Roses

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

Write for our Fall Trade List if you have not
received one.

Special attention given to dealers complete lists.

W. & T. Smith Company,

Geneva, N. Y.

Established 1846

700 Acres

When writing to Advertisers mention The National Nurseryman

"A Straight Tip"

Large Buyers of Ornamentals for Agency
or High-Class Catalog Trade would do



well to write now for
Prices on the "J. & P."
stock of Roses, Clematis,
Ampelopsis, Hydrangea,
P. G., (Bush and Tree-
Form), Lilacs (Forty
named Varieties), Peonies,
Phloxes, and other things.
Fruit Trees and Small
Fruits are grown, too,
and sold at Prices that
seem inconsistent with
the High Quality. It's the

growing of Big Blocks and Specialties
Only that does it.

Jackson & Perkins Co.

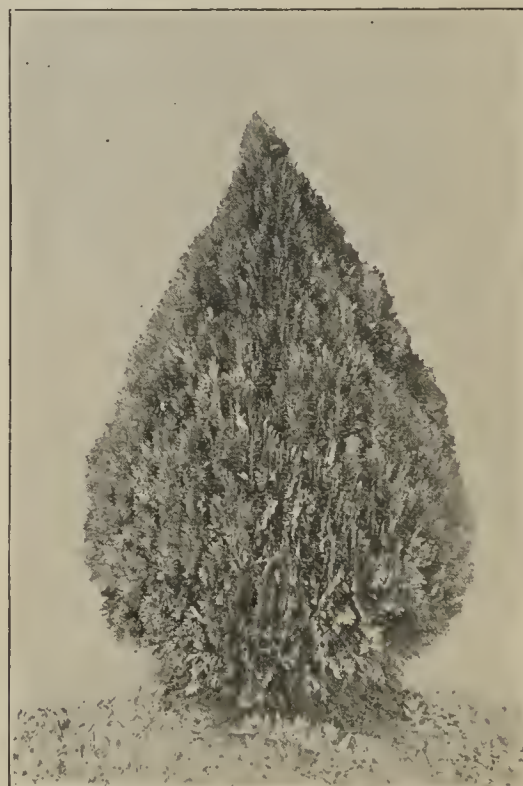
Purveyors to the Trade

Newark, Wayne County, New York State

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall
delivery, from 10 inches to 3 feet.



**ALTHAEA
MEEHANII**

(Hibiscus Syriacus)
(Newvariegated
single flowering
Althaea).

Field grown
**DOROTHY
PERKINS,**

**CRIMSON
RAMBLER,**
and **MARIE
PAVIE** Roses.
AZALEA

INDICA,
CAMELLIA,
MAGNOLIA

grfl.,
WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP

POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

1857-1908

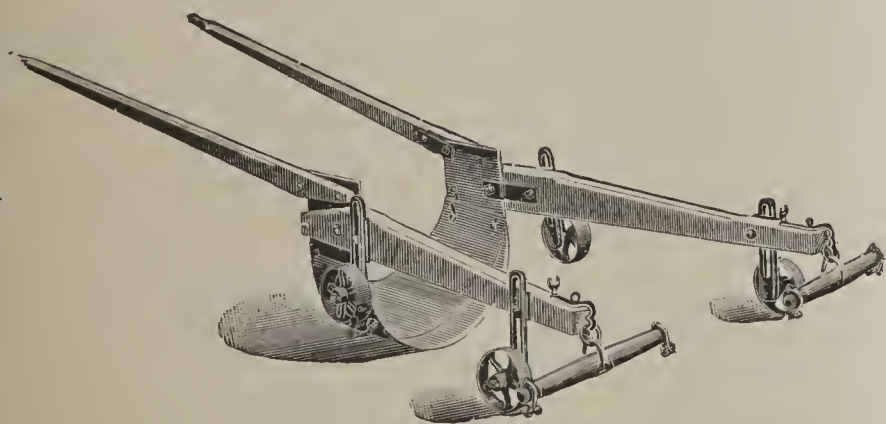
L. G. BRAGG & CO.

Growers of

No. 1 NURSERY STOCK

Also Manufacturers of

Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day, and
only needs same power as a plow.

L. G. BRAGG & CO.

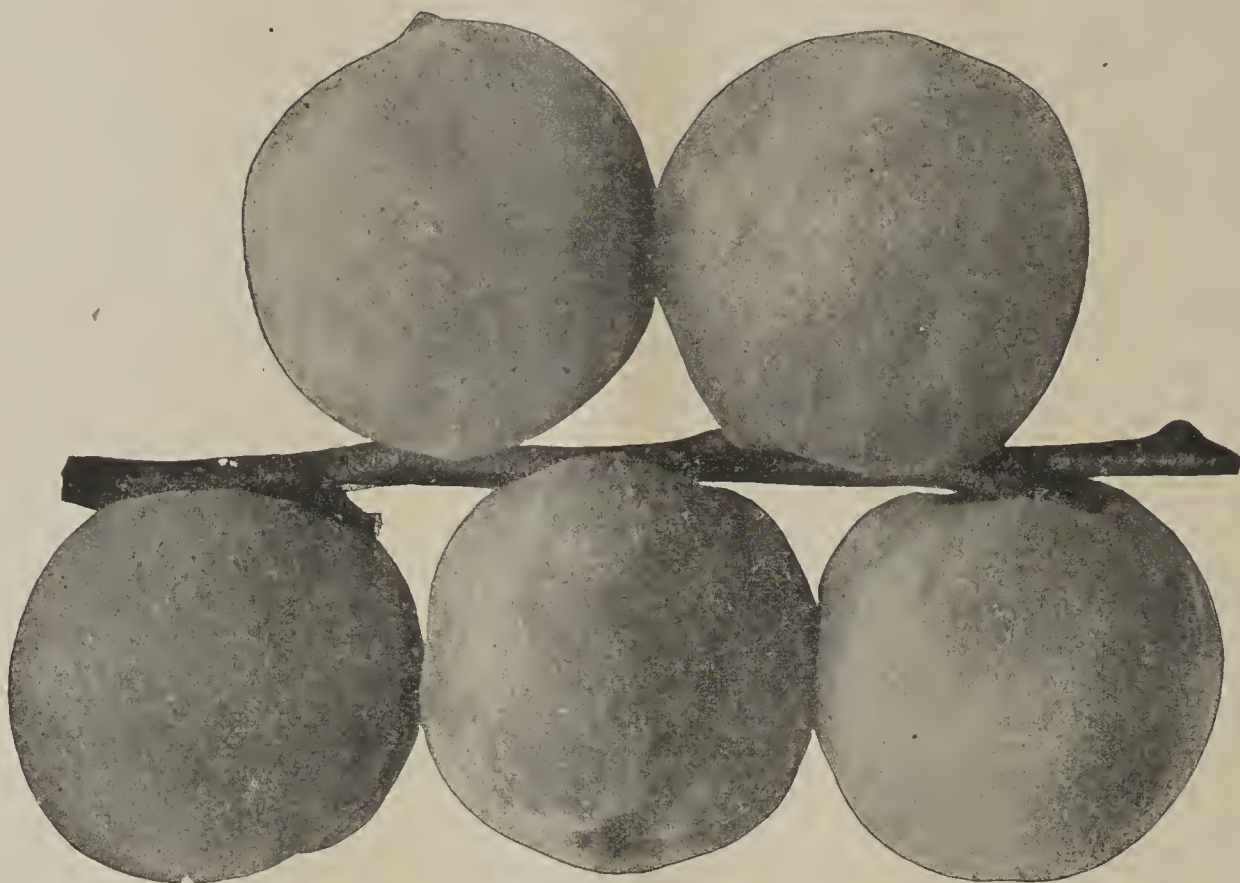
KALAMAZOO, MICH.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

A NEW PEACH

Our **Martin's September** Specialty



(1-3 NATURAL SIZE)

I WISH to briefly call the attention of those interested in the Nursery business Market Gardening, Commercial Fruit Growing, also those who grow fruit only for home consumption to this most excellent peach **MARTIN'S SEPTEMBER**. Several years ago Mr. H. A. Martin of Coweta County, Georgia, planted a lot of seed of the Raisin Peach and when these seedlings were a year old he set him out an orchard. A few years later his orchard began to bear fruit and among his trees appeared this late peach. My attention was called to it as a good peach to get into the Nursery. I watched its behavior for several seasons and found it a perfectly reliable variety and began to grow a few trees to supply a few customers right around near the place where the peach originated. As season after season passed this good peach increased in popularity and now I am growing the trees by the thousands and am prepared to supply them to large Commercial orchardists as well as to smaller planters. To those who are located near towns of two thousand inhabitants or more this excellent peach will prove a **money maker** right at your own home. They are **good to eat** and of course this makes them **good to sell**.

The fruit is medium size, globular shape, color yellow ground with carmine marbling. Down thin. Flesh straw color, red at seed, firm, granular. Very sweet and rich. Quality best. Perfect freestone. Its good quality and freedom from rot together with its time of ripening and capacity to ship well makes it the most desirable peach both for market and home orchards. It ripens perfectly and lasts from September 1st to the 20th and some seasons until October. I have put the price of trees in reach of all, and no one need be without Martin's September peaches.

Buds for Sale during June, July, August and September. Prices on both Trees and Buds made on application.

MR. JAMES CURETON, Austell, Ga.,

FROM G. H. MILLER & SON, EXCELSIOR NURSERIES, Rome, Ga.

September 2nd, 1905.

Dear Sir—Yours of the 1st and also sample of peach received. This is certainly of high quality and think it would pay to propagate it for home use and local market, as it would certainly sell well. If the tree is a good bearer and has the other necessary qualifications for a profitable peach, think I would propagate it by all means. The only trouble about the sample was there was not enough of them.

Respectfully,

G. H. MILLER & SON.

Origin of the Peach known as Martin's September came from seed of Raisin Peach at least 10 years ago and to more thoroughly test its merits I had about 100 budded from the parent tree to see if it would prove a success and it proved so satisfactory that I have about 800 young trees now about one year in the orchard of which I am very much pleased. It is a free-stone, resembles the Raisin in size and color only not so deep red as the latter; ripens from September 1st to 20th, a few I have had in October. It is the best seller of any fruit I ever tried on the local market. I have gathered three crops from the first lot of the budded trees referred to above.

Newnan, Ga., February 6th, 1907.

Respectfully,

H. A. MARTIN

I WILL BE PLEASED TO GIVE ANY FURTHER INFORMATION DESIRED UPON APPLICATION

JAMES CURETON Prop.

The CURETON NURSERIES

AUSTELL, COBB COUNTY, GA.

The McFarland Organizations at Milwaukee



Badge No. 8

MEMBERS from Missouri and all the other states will be welcomed and "shown" at the Milwaukee Headquarters of the McFarland Organizations — Room 174, Plankinton House; Convention hall floor.

On behalf of the J. Horace McFarland Company, makers of catalogues, they will be shown printed matter which provides insurance against the wastebasket. A large and growing clientele, literally extending from Maine to California and from Washington to Florida, has found it increasingly worth while to get McFarland catalogues because of this essential characteristic.

J. Horace McFarland

O. P. Beckley

ON behalf of the Photographic Department of the McFarland Organizations, members will be "shown" a varied assortment of the new *autochrome or color photographs*—the most wonderful illustrative advance since photography was invented in 1839. From the time the first announcement of the autochrome process was made in France, last year, the McFarland Organizations kept in close touch with its development. Their representative brought over the plates before any one else in the United States secured them, and the first autochrome photographs taken in this country were the product of the McFarland studios. The results now to be seen are simply astonishing, and the possibilities more so.

Badge No. 7

ON behalf of the McFarland Publicity Service, pushers of business, members will be shown specimens of the complete service in the supply of selling literature, which is its concrete and daily practice. Advertisements, "follow-up" material, booklets and catalogues produced by the Publicity Service will be much in evidence.

Members who are thinking of an advertising campaign, who would like to have a new catalogue, but lack the time for the preparation of the copy, or who wish something out of the ordinary in a specialty booklet, will be "shown" convincingly and through concrete examples by the Publicity Service representatives.

Jefferson Thomas

O. P. Beckley

DOES IT PAY To Buy the Quality of Printed Matter and Advertising Service Supplied by The McFarland Organizations?

STRICTLY HIGH GRADE FULLY GUARANTEED NURSERY STOCK	THE CHASE NURSERIES GENEVA, N. Y. G. M. CHASE, PRESIDENT AND TREASURER	ORIGINATORS AND INTRODUCERS OF THE HOY CHERRY
May 5, 1908.		
The McFarland Publicity Service, Harrisburg, Pa.		
Gentlemen:		
We have just seen the May issue of The National Nurseryman and have noted your advertisement therein. In the subject matter of same we have particularly noted your statement to the effect that the Cherry picture was put on the cover of our catalogue to sell Hoy Cherries. We want to confirm that statement and, in addition thereto, advise you that it is selling them. Whenever we have a request for a catalogue we invariably get an order for a Hoy Cherry or two and if it keeps up, we will without doubt sell enough Hoy Cherries to pay for the catalogue very soon. Thought you might like to know how successful it had been.		
Yours very truly,		
Dir. G.M.C.	THE CHASE NURSERIES.	

DOES IT PAY To Advertise High-Class Printed Matter and Effective Advertising Through the National Nurseryman?

Some of our friends tell us that it does not. We are anxious to find out. You're going to have a new catalogue one of these days. Very possibly you will want to do some magazine and newspaper advertising. A properly devised follow-up system would help you to do more business with less proportionate selling cost. If you will utilize the blank below to tell us definitely what is your interest in these matters, so that we may show you what we can do for you, we will have a convincing demonstration of the fact that it does pay to advertise in the National Nurseryman.

Date_____ 1908	
THE MCFARLAND ORGANIZATIONS, Harrisburg, Pa.	
Gentlemen: We are immediately interested in	
A New Catalogue	} Cross out any in which you are not interested
An Advertising Campaign	
"Follow-Up" Material	
What can you do for us?	
Name of Firm_____	
Address_____	
Signed_____	

THE MCFARLAND ORGANIZATIONS

J. HORACE MCFARLAND COMPANY, Constructors of Catalogues — THE MCFARLAND PUBLICITY SERVICE, Builders of Business

MOUNT PLEASANT PRESS : HARRISBURG, PENNSYLVANIA

W. VAN KLEEF & SONS

Wholesale Growers of Nursery Stock BOSKOOOP (Holland)

For AZALEAS, RHODODENDRONS, EVERGREENS, ROSES, MAGNOLIAS DUTCHMAN'S PIPE, TREE ROSES, PAEONIES, JAPAN MAPLES, FORCING STUFF, Etc., Etc.

Ask for Special Prices. They will certainly interest you.

Young Plants for Lining Out

New price list. This, our Annual Offering, is too well-known among nurserymen to need comment here. As usual the important point is to *place your order NOW*. Many other sizes are already exhausted.

These plants are of the usual high quality—healthy, stocky and well-rooted—and represent a mighty good investment for the nurseryman. A season's growth sends their value far above our present price. The list is at least worth having. *Do it now* or the other fellow may get just what you want. Remember—ORDER NOW.

'Red Star' Raffia

So sure are we of its uniform, good quality that should any prove otherwise we will replace it. *We* assume all risk. 'Red Star' brand is the best for the money. Sample free.

French Crab Seed.

A few bushels still unsold. Write promptly if you wish any.

Have You Received a Copy ?

In addition to quoting extra large specimen stock, our new Spring Wholesale Catalog (for the trade only) lists an immense assortment of hardy, ornamental trees, shrubs, evergreens, vines and herbaceous perennials. *And it is the better grade of stock.* No dealer can afford not to have this catalog on file. Ask for a copy ?

Thos. Meehan & Sons, Inc.

300 ACRES OF TREES AND SHRUBS

Dreshertown Box T.

Penna.

ESTABLISHED 1845

Bryant's Nurseries

PEONIES

50,000 to offer for fall of 1908.

Let us figure on your wants. Also have an exceptionally large stock of forest seedlings in Box Elder, Catalpa Speciosa, Elm Mulberry, Black Walnut, and Soft Maple.

Ornamental Shrubs

all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON

PRINCETON, ILLS.

ORNAMENTAL STOCKS

NURSERIES

420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.

Write direct to us and ask for **WHOLESALE CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors, Orleans, France



F. H. STANNARD
Chairman of Transportation Committee



IRVING ROUSE
Chairman of Tariff Committee



-WM. PITKIN
Chairman of Legislative Committee



ORLANDO HARRISON
Chairman of Nat'l Inspection Law



C. L. WATROUS
Chairman Co-operation with
Entomologists.



R. C. BERCKMANS
Chairman of Program Committee



THOS. B. MEEHAN
Chairman of Exhibits



PETER YOUNGERS
Chairman of Mutual Fire Insurance Committee



J. HORACE MCFARLAND
Chairman of Editing Committee

The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., JUNE, 1908

No. 6

THE NURSERIES OF PENNSYLVANIA.

The nurserymen of Pennsylvania are active and progressive in catering to the demands of modern times for first class stock both in fruit and ornamental lines. The value of the nursery products in this state is over half a million dollars as shown by recent statistics, even when omitting from the count many small nurseries which do only a limited local trade. The nursery inspector reported a year ago 170 nurseries with a total acreage of 3000 acres, but two thirds of this stock is owned by seven firms located in the region about Philadelphia. These seven are: Hoopes Bros. & Thomas, West Chester, 600 acres; Andorra Nurseries, Chestnut Hill, Philadelphia, 350 acres; Thomas Meehan & Sons, Inc., Germantown and Dreshertown, 265 acres; Wm. H. Moon Co., Morrisville, 225 acres; Geo. Achelis, West Chester, 200 acres; Rakestraw and Pyle, Kennett Square, 150 acres; T. N. Yates & Co., Germantown and North Wales, 100 acres.

SAMUEL C. MOON, MORRISVILLE.

Of all the nurseries in Pennsylvania the oldest established is that of Samuel C. Moon near Morrisville. His father Mahlon Moon began business as a nurseryman upon the same ground in 1849 and there may be seen many magnificent ornamental trees which were planted fifty years ago.

HOOPEBROS. & THOMAS.

The nursery of Hoopes Bros. & Thomas was established in 1853 by Josiah Hoopes with one small greenhouse and two acres of seedlings and cuttings. As the business warranted expansion more glass and more acres of land were added until now there are over 25,000 square feet of glass and 600 acres devoted to growing nursery stock. Josiah Hoopes was a great lover of Botany and devoted much time to the scientific side of the nursery business. He published in 1868 his "Book of Evergreens" which is a valuable contribution to the literature on coniferae. He died in January 1904. Abner Hoopes and George Thomas, who have been in the firm since its early days, continue the business with the most careful attention to every detail. First class fruit trees are the great specialty of this firm, but their ornamentals constitute a great nursery in themselves.

THOMAS MEEHAN & SONS.

The nurseries of Thomas Meehan & Sons had their beginning in 1854 when the senior members of the firm

commenced business with six acres of land in and about Germantown. He had associated with him William Saunders, afterwards Superintendent of the grounds of the United States Department of Agriculture, Washington, D.C. Both of these gentlemen are now dead, but the nurseries, under the vigorous management of Thomas Meehan's three sons—Thomas B., J. Franklin, and S. Mendelson Meehan—are enjoying great prosperity. The late Thomas Meehan was well known as a horticultural writer, having edited for many years *The Gardeners' Monthly*. In 1902 the firm of Thomas Meehan & Sons was incorporated with a capital stock of \$100,000.00. It includes a wholesale department with grounds and office at Dreshertown, Pa., a retail department with grounds and offices in Germantown and a landscape department with office also in Germantown. A choice and extensive line of ornamental stock is constantly being propagated.

GEORGE ACHELIS.

Geo. Achelis has carried on an extensive nursery business at West Chester since 1866 when he purchased a half interest in a nursery of 65 acres which was established about fifteen years earlier. He secured the entire property about 30 years ago and has steadily increased his acreage until he covered, as at present, 200 acres. His stock is extensive along both fruit and ornamental lines and his soils are well chosen for nursery purposes.

MOUNT AIRY NURSERIES.

In 1869 the Mount Airy Nurseries were established in Germantown by Miller and Yates with about 6 acres of land. This firm did considerable landscape work. The senior member of the firm, Charles Miller, now deceased, was Landscape Gardener of Fairmount Park in Philadelphia. This establishment comprises over 100 acres of land for nursery purposes and is conducted under the management of Thaddeus N. Yates and Co.

RAKESTROW & PYLE.

Rakestraw & Pyle have been large propagators of fruit stock since about 1870 and have long enjoyed the reputation for putting out first class trees. They do a general nursery business of both small and large ornamentals in connection with their heavy trade in fruit trees.

WM. H. MOON & CO.

Glenwood nurseries were established about 1874 by Wm. H. Moon a brother of Samuel C. Moon. After establishing an excellent reputation as a nurseryman and having a keen conception of the modern demands of landscape gardening, Mr. Moon sold his property to the Wm. H. Moon Co., and became the manager of the nurseries for the corporation. The landscape department is operated from the office in the Stephen Girard Building, Philadelphia. Wm. H. Moon was for many years president of the State Horticultural Association of Pennsylvania, and is president of the Nurserymen's Association of Pennsylvania.

ANDORRA NURSERIES.

The youngest of the great nurseries of this State is located at Chestnut Hill, Philadelphia, widely known as the Andorra Nurseries, of which Wm. Warner Harper is proprietor. Mr. Harper received his first instruction in the nursery of Miller and Yates and in 1890 established the Andorra Nurseries beginning on a pretty large scale with the most sanguine hopes of success. He has never receded from the first position he had taken but rapidly extended his stock by propagation and importation until he covered

his present area of 350 acres with a complete assortment of ornamental trees and plants. By a judicious handling of his soils he secures nearly ideal conditions for the proper growth of so great a variety of native and foreign stock.

WOODVIEW NURSERIES.

The Woodview Nurseries of Mt. Holly Springs, Pa., were established in 1867 by John Peters in a section of the State where orchards were being established. The adaptability of the hills in Adams, Franklin, and Cumberland Counties for fruit culture were recognized over fifty years ago and even now the planting of new orchards of apple and peach is actively going on. There are at present about 40 small nurseries in this section of the State but most of them are merely propagators growing blocks of peach or apple and disposing of them at wholesale, to a distributing firm like that of John Peters & Co., at Mt. Holly Springs in Cumberland Co., or the nurserymen of the State of New York. Quite a number of the prosperous nurserymen of the West are men who learned their first lessons in Adams County nurseries. It is surprising that there are no large nurseries in Western Pennsylvania. The wealth being created in and about Pittsburg is sufficient inducement to develop an extensive stock of ornamental trees and shrubs.

AMERICAN ASSOCIATION OF NURSERYMEN, 1876--1908
WITH ROSTER

1876. Chicago. President, E. Moody, Lockport, N. Y.; Secretary, D. Wilmot Scott, Galena, Ill.; Treasurer, A. R. Whitney, Franklin Grove, Ill.

1877. Chicago. President, J. S. Stickney, Wauwatosa, Wis.; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1878. Rochester, N. Y. President, J. J. Harrison, Painesville, Ohio; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1879. Cleveland, Ohio. President, T. S. Hubbard, Fredonia, N. Y.; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1880. Chicago. Presiding officers, T. S. Hubbard, Fredonia, N. Y., and N. H. Albaugh, Tadmor, Ohio; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1881. Dayton, Ohio. President, N. H. Albaugh; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1882. Rochester, N. Y. Presiding officers, W. C. Barry, Rochester, N. Y., and Norman J. Colman, St. Louis, Mo.; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1883. St. Louis, Mo. President, M. A. Hunt, Chicago; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1884. Chicago. President, Edgar Sanders, Chicago; Secretary,

1885. Chicago. President, Norman J. Colman, Washington, D. C.; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1886. Washington, D. C. President, C. L. Watrous, Des Moines, Iowa; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1887. Chicago. President, C. L. Watrous, Des Moines, Iowa; Secretary, D. Wilmot Scott; Treasurer, A. R. Whitney.

1888. Detroit, Mich. President, George A. Sweet, Dansville, N. Y.; Secretary, Chas. A. Green, Rochester, N. Y.; Treasurer, A. R. Whitney.

1889. Chicago. Officers same as for 1888.

1890. New York. President, S. M. Emery, Lake City, Minn.; Secretary, Chas. A. Green; Treasurer, A. R. Whitney.

1891. Minneapolis, Minn. President, J. Van Lindley, Pomona, N. C.; Secretary, Chas. A. Green; Treasurer, N. A. Whitney, Franklin Grove, Ill.

1892. Atlanta, Ga. President, H. Augustine, Normal, Ill.; Secretary, Chas. A. Green; Treasurer, N. A. Whitney.

1893. Chicago. President, U. P. Pearsall, Fort Scott, Kan.; Secretary, Geo. C. Seager, Rochester, N. Y.; Treasurer, N. A. Whitney.

1894. Niagara Falls, N. Y. President, J. H. Hale, South Glastonbury, Conn.; Secretary, Geo. C. Seager; Treasurer, N. A. Whitney.

1895. Indianapolis, Ind. President, J. H. Hale (absent); Vice-President, N. H. Albaugh, Tadmor, Ohio, in the chair; Secretary, Geo. C. Seager; Treasurer, N. A. Whitney.

1896. Chicago. President, Silas Wilson, Atlantic, Iowa; Secretary, Geo. C. Seager; Treasurer, N. A. Whitney.

1897. St. Louis, Mo. President, Irving Rouse, Rochester, N. Y.; Secretary, Geo. C. Seager; Treasurer, N. A. Whitney.

1898. Omaha, Neb. President, A. L. Brook, Topeka, Kan.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates, Rochester, N. Y.

1899. Chicago. President, Wilson J. Peters, Troy, Ohio; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1900. Chicago. President, Thos. J. Smith, Geneva, N. Y.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1901. Niagara Falls, N. Y. President, R. C. Berckmans, Augusta, Ga.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1902. Milwaukee, Wis. President, Chas. A. Ilgenfritz, Monroe, Mich.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1903. Detroit, Mich. President, N. W. Hale, Knoxville, Tenn.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1904. Atlanta, Ga. President, F. A. Webber, St. Louis, Mo.; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1905. West Baden, Ind. President, E. W. Kirkpatrick, McKinney, Texas; Secretary, Geo. C. Seager; Treasurer, C. L. Yates.

1906. Dallas, Tex. President, Orlando Harrison, Berlin, Md.; Vice-President, J. W. Hill, Des Moines, Ia.; Secretary, Geo. C. Seager, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.

1907. Detroit, Mich. President, J. W. Hill, Des Moines, Ia.; Vice-President, C. M. Hobbs, Bridgeport, Ind.; Secretary, Geo. C. Seager, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.

1908. Milwaukee, Wis. President, J. W. Hill, Des Moines, Ia.; Vice-President, C. M. Hobbs, Bridgeport, Ind.; Secretary, Geo. C. Seager, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.

SPRING REPORTS OF BUSINESS

**COMMERCIAL NURSERY CO.,
WINCHESTER, TENN.**

We think all things considered that our men are selling just a little in advance of last year at this time and there seems to be more inquiry for trees than last season at this time.

**R. G. CHASE CO.,
GENEVA, N. Y.**

Business for the past spring has been excellent and the supply of stock was well exhausted, with the exception of plum and light peach. Sales are starting off well for the coming year and we look for a good business.

**RICE BROS. CO.,
GENEVA, N. Y.**

We are glad to say that we have had an unusual demand for about everything we had to offer this spring. Business generally far in excess of last season. Prospects seem favorable for good sales the coming season.

**AUGUST ROLKER & SONS,
31 BARCLAY ST., NEW YORK.**

Importers of all kinds of foreign nursery and florist's stock, who have made an agreement with Lavavasseur & Sons, nurseries at Ussy and Orleans, France, to be their agents for U. S. and Canada after June 1st., report business good.

**SEARS, HENRY & CO.,
GENEVA, N. Y.**

This spring sales have been satisfactory. Our trouble was, that we did not have enough of most kinds of stock to satisfy our customers. Stock has gone through the winter in fine shape. Outlook for the coming season is good.

**CHATTANOOGA NURSERIES,
CHATTANOOGA, TENN.**

Our spring sales of nursery stock have been satisfactory and from present indications we believe that the fall business will be much heavier with us this season than for some time past. Stock at this time is making satisfactory growth.

**L. F. DINTELMANN,
BELLEVILLE, ILL.**

This spring's trade was at least 30 to 40 per cent. better than last spring. Owing to scarcity of help the past two years and the inspection laws production has been reduced. This, I feel positive, will advance prices for the next 15 months.

**THE DAYTON AND XENIA NURSERIES,
DAYTON, OHIO.**

The spring trade has been good, very good, using up every thing except some plums and the usual odds and ends. Planting has been much delayed by continuous and heavy rains. Stock has wintered in fine shape and prospects for the season are good.

McNARY AND GAINES.

**I. E. ILGENFRITZ'S SON'S CO.,
MONROE, MICH.**

Our spring business has been excellent and far in excess of last year both in a retail and wholesale way. Weather conditions throughout the packing season were most favorable, which aided very materially in getting stock out in good condition.

T. I. ILGENFRITZ, Sec'y.—Treas.

**THE SHENANDOAH NURSERIES,
SHENANDOAH, IOWA.**

We have had a good spring trade, and have sold out closer than we generally do. The season was exceedingly favorable for business. Of course, a few items did not move as well as we could have wished, but on the whole, we are well satisfied with our spring business.

D. S. LAKE.

**GREENSBORO NURSERIES,
GREENSBORO, N. C.**

We started quite a number of men in March for fall delivery and found March sales above an average, also the first half of April, but when cotton began to go down, sales fell off but new fruit is beginning to ripen and cotton picking up and agents' reports last week were above average.

JOHN A. YOUNG.

**THE SHERMAN NURSERY CO.,
CHARLES CITY, IOWA.**

We are glad to report that we have had a very prosperous season this year. Our spring deliveries were, we think, the best in some particulars we have ever had, and while things are not completely wound up for the season, we anticipate very good collections. We see no reason why the outlook for another season's business is not good.

E. M. SHERMAN, President.

**BATAVIA NURSERIES,
BATAVIA, N. Y.**

The past year was in many respects the best in the history of the Batavia Nurseries. Continued active demand for all kinds of fruit and ornamentals from the start to the close of the season, practically took all salable surplus. Stock has wintered in fine shape and we start the new year with a good supply in all departments, and expect still better business in the year to come.

NELSON BOGUE.

**THE JEWELL NURSERY CO.,
LAKE CITY, MINNESOTA.**

We have had a very successful spring's business, and the prospects for sales this summer are very good. Packing weather this spring has been about as bad as we have ever known, with lots of rain and a lot of cold weather thrown in. For this reason we have been considerably delayed in our shipments, but as the Northwest is all rather backward, we trust it is going to work out all right.

R. D. UNDERWOOD, Sec'y.

**STORRS & HARRISON CO.,
PAINESVILLE, OHIO.**

We do not know that there is anything of particular interest that we can say in regard to this spring's business. Rather to our surprise it has been fully up to the average, our catalog trade being ahead of last year. Wholesale trade will probably not foot up as much as last year, but did not have near as much stock to sell as we had a year ago. We cleaned up very closely, and have a small size brush pile, in comparison with a good many other years.

**B. F. WEBER & SONS NURSERY CO.,
NURSERY, MO.**

We are now through with our spring business with the exception of greenhouse plants. The season has been the best in the history of our company. We certainly have not felt any of the hard times complained of by a great many business men, and from the looks of remittances believe our collections will be fully up to other years. The outlook for fall business is very good, and we are already booking orders for fall delivery.

F. A. WEBER, Secretary.

**STONE & WELLINGTON,
TORONTO, CANADA.**

As to our business this spring, we desire to say that our shipments have been very large, we believe the largest since we have been in business. It is early yet to tell about collections, but the earlier shipments are turning out well and money coming freely. We think that all nurserymen have been very busy and sold closely. Many varieties were sold out early and could not even be purchased in the United States, so we judge our American friends have had good business also.

**HOOPE'S BROTHER & THOMAS,
WESTCHESTER, PA.**

This spring has been the best that we have ever experienced not only in the amount of sales but in the rapidity with which we handled our business—the sale was about 15% larger than last spring. The outlook for fall is promising; the sales are running ahead of the same weeks last year and we are looking forward to a fine growing season as our stock was planted out two or three weeks earlier than we usually are able to do and if nothing unforeseen occurs, we should have a good growth by fall.

**CHASE NURSERY CO.,
HUNTSVILLE, ALA.**

We are glad to report bright prospects in this section both for the nurserymen and fruit grower. Our winter was most favorable and the nursery stock is growing off beautifully with better stands of buds generally than for some years. We are looking forward to a fine business the coming year. The windup of last season's business is satisfactory to all the nurserymen in this district we think. Speaking for ourselves would say that we are feeling fine over our year's work and the goose now hangs at the proper elevation.

HENRY B. CHASE, Pres.

**J. G. HARRISON & SONS,
BERLIN, MD.**

Our spring sales have been very good and I feel sure they have exceeded last spring's work, but we are unable to give a comparative statement just at this time. As to the outlook for business, I think it is a little early today, but judging from the past three months, prospects are good. What effect the presidential year will have on the nurserymen, as has been the case in the past, I am unable to say.

I do not think there is a large quantity of nursery stock in the country today, and I do not see but that the nurserymen will be in a position to ask a fair price in and get it.

**THE DELAWARE NURSERIES,
MILFORD, DEL.**

The nursery business with me this spring has been entirely satisfactory. We did more business than for any other spring for six or seven years past. Cleaned up all our stock nicely except a few peach trees. Collections have been good. We usually have a good fall trade, locally when a good fruit season precedes it; and I would say, at this writing we have a fine prospect for a crop of peaches and apples. Kieffer Pears will be a short crop. Other Pears will likely be a fair crop.

D. S. COLLINS, Manager.

**THE BARNES BROS. NURSERY CO.,
YALESVILLE, CONN.**

We have had a splendid trade this spring though not as large as last spring's which was the largest we ever had. We will clean up on almost all lines except some varieties of peaches and plums.

If business is such by next fall that farmers can get fair prices for their produce, we will expect the nursery business will be good in this section next spring. Retail business for fall does not look as promising because the factories are all running short time and many are out of work. They, therefore, have not the money to buy nursery stock. They are the class of people who furnish the fall trade in this section.

**FRANKLIN DAVIS NURSERY CO.,
BALTIMORE, MD.**

We regret to say that we have not cleaned up our stock closely with our spring sales. We have perhaps, 30,000 fruit trees, about half of which are peach trees, left over. About 100,000 asparagus and several 100,000 Strawberry plants and about 15,000 Cal. Privet. We think the financial depression made less demand with us for stock.

We have had good growing weather this spring, and all stock is growing nicely. We have a good stand of grafts, pear, plum and apple stocks, part of our Mahaleb seedlings have not started well. California Privet is starting very nicely. So are our strawberry plantings. Our asparagus seed is sprouting very nicely and we expect a good stand and to have something very nice in it and our other lines of stock for fall. Our young pear buds at this time are the equal of any that I have ever seen.

R. A. WICKERSHAM, President.

**THE GENEVA NURSERY,
W. & T. SMITH CO., GENEVA, N. Y.**

Looking back over our Spring's business, we feel that we have had a longer shipping season than the average and partly for this reason and partly for the unusual demand we have sold nearly all of the surplus stock we had to dispose of. With the exception of plums, we cannot think of any stock which appeared to be a drug and even plums were pretty well closed out at the last. From our view point, the prospects are very encouraging for next year as we cannot see any surplus in sight, providing the demand is about as averaged for the last few years.

**DES MOINES NURSERY COMPANY,
DES MOINES, IA.**

We have had some very cold weather for the past week (May 7) which has very greatly damaged our fruit prospects, and nursery stock is very slow about starting this spring. We had snow flurries and freezes the fore part of the week.

The nurserymen throughout the West have done a very satisfactory business this spring. Their collections have been good, and no one seems to have felt the effects of the recent panic. Stock is well cleaned up, and very little consigned to the brush pile.

Spring plantings by the nurserymen were made early in the season, as we had a few days of warm weather about the middle of April, but unfortunately these were followed by ten days of frost and ice, with the thermometer frequently in the neighborhood of 28 to 30° Fahrenheit.

In consequence of the cold spell, the stock has been a little slow in starting, but we are now receiving copious rains, and anticipate rapid and satisfactory growth.

The cold spells referred to were thought to have very seriously injured the fruit, which promised an unusually heavy yield. We find, however, that it is not as badly hurt as at first thought, and we shall have one-half to three-fourths crop unless something unforeseen should occur later.

The nurserymen, in short, throughout the west are feeling good, and are "buckling on their armor," for another season's business, but it is hoped that all will take a little vacation about the 10th of June and attend the annual meeting of the Association at Milwaukee.

I have read with a great deal of interest your May issue of the NATIONAL NURSERYMAN, and thank you for the effort put forth in boosting for the Milwaukee convention.

J. W. HILL, Pres.

**KNOX NURSERIES,
VINCENNES, IND.**

We have more wholesale orders on our books now than at this time last year. However, we are unable to make a true comparison with last years business because we have decided to enter the wholesale trade and we do not expect to do any retail business. We enter the wholesale trade as a Cherry nursery as nearly all of our stock consists of Cherry trees. So far as we can see the outlook for fall is good, and unless

something unforeseen occurs we believe our business will exceed that of last year.

We had intended writing you about our entering the trade as a wholesaler of Cherry trees. Practically all of our stock consists of Cherry, one year and two years, though we have some few Peach, Plum and Pear.

H. M. SIMPSON & SONS.

**TOPEKA NURSERIES,
TOPEKA, KAN.**

Spring sales were very satisfactory. Owing to mild winter and early spring we were pretty well cleaned up by time shipping season usually opens. We found but very little call for Kieffer Pear and Plum, but as these two articles are grown by us in small way only, we weren't troubled by this fact. Other lines of stock cleaned up unusually well, so that the size of our brush pile this spring was smallest in years. Fruit prospects were materially hurt by frost latter part of April; but the outlook is for considerable fruit in this vicinity. With fair crops, we believe the outlook for fall is favorable to doing good business at good prices owing to small supply, there being less stock in all lines in sight at this point for fall than for years.

L. R. TAYLOR & SONS.

AMERICAN NURSERY COMPANY.

The American Nursery Company, New York, reports a heavy business this season, the orders thus far being largely in excess of the combined business of the separate concerns at this time last year. The Company's large wholesale business, at both the Bloodgood Nurseries Department, Flushing, L. I. and the F. & F. Nurseries Department, Springfield, N. J., although constantly growing does not show so large an increase. However, the orders for Public Grounds and private estates have in all of the Departments, far exceeded expectations and seem to fully justify the claims made by the Company in the public announcement soon after the organization early in the year. The favorable location of the sales department at No. 150 Broadway, New York is a great convenience to the Company's patrons.

**NEW HAVEN NURSERIES,
NEW HAVEN, MO.**

The season for spring sales closed here May first, hence, we are able to report in full in comparison with last year. The demand was better in a general way and altogether the season's business was satisfactory. We see no reason why we should not take an optimistic view for fall trade and next spring's business. While the late frosts have retarded the growth, considerably and things are just now getting started, we have had an abundance of moisture and with bright warm weather from this time on, and the usual quantity of rain, to follow, the growing season should be all that we hope it will be.

The stand of stocks set, grafts, etc., is especially good. Indications are that there will be less loss than for many years. Owing to the mild winter, everything that was imported came through in perfect condition and starting right off.

**E. P. BERNARDIN,
PARSONS, KAN.**

Trade with us the past spring was better than we anticipated and we cleaned up much closer on lines, with the exception of cherry, than we have for many years past. Apples especially were picked up very close through out the whole west in the upper grades at good prices and the present prospects for good sales and the scarcity of apple they should be much higher this year than last. This will be occasioned both by the demand for them and the light plants and poor growth of the past year. This year should see apples the highest they have been in many years.

The outlook for a good attendance at the Milwaukee convention from the west was never better and the reports so far received from the exhibitors gives us every reason to expect an exhibit far better than we had last year. This attraction alone is worth one's while to attend the conventions, even if he got no other benefits from them.

The season in this part of the country has been very wet and stock was late in starting, but has done well considering the conditions under which it has past with cold and cloudy weather and many late frosts.

E. P. BERNARDIN.

**THE GRIFFING BROTHERS CO.,
MACCLENY, FLA.**

The winter and spring business has been very satisfactory in this part of the South, orders continuing later than normal. Such items as Amoor River Privet hedge, field grown grafted roses, Satsuma oranges, figs and Japan persimmons, which we grow largely for the trade, was completely exhausted. We are now having strong inquiry for Citrus trees, budded on the hardy Trifoliata roots; figs, Japan persimmons, Muscadine grapes and budded pecans for fall delivery. Present prospects are that blocks will be well cleaned up next season.

C. M. GRIFFING.

**GEO. H. WHITING,
YANKTON, S. D.**

My spring sales this season have been nearly double that of last year. In regard to the out-look for the coming season it is yet a little hard to tell what the future will bring forth. At the present time our stock is coming on nicely although we had a heavy freeze the first part of the month. Since that time the weather has been very favorable and it is mending very rapidly. The fruit crop this year will be an entire failure, except small fruits. This will have the tendency to discourage the planting of fruit somewhat for the coming year. However, I look for quite an increase of business next year over that of this year.

GEO. H. WHITING.

**STARK BROS. NURSERIES AND ORCHARDS CO.,
LOUISIANA, MO.**

We anticipated and prepared for a heavy spring trade and were not disappointed. We report a most liberal spring business, a heavy demand and fairly satisfactory prices. Never in our history have we had a more favorable season for shipping, and our work progressed smoothly with no very bad days, no extreme cold. A great improve-

ment was shown in the freight service; the railroads had plenty of cars and handled our shipments promptly and satisfactorily in nearly all cases. Collections have been first class. Taken as a whole, we cannot remember a shipping season more favorable and satisfactory in all respects.

As to the out-look for next season, we think it very promising, although we anticipate a shortage of first class stock in many lines. The number of inquiries for large orders are more numerous than ever before at this season of the year.

**VINCENNES NURSERIES,
VINCENNES, IND.**

Spring trade has been very good and compares favorably with last year, very little Surplus except Plum, in fact most lines run very short.

Collections are coming in very well. Prospects for fall trade seem very good although the continued wet weather and high waters have done the farmers a great deal of damage but with favorable weather the rest of the season and, with a very promising fruit crop, with the exception of Apple, and these are 25 to 30%, I think by the time the season is over it will show up all right. The Cherry crop will be very heavy in this section. Nursery stock is getting a nice start. While our stand of Cherry Buds are not as good as we would like, they are making a splendid growth, also the coming two-year, so that we will have a large stock to offer which we think will be worth 100 cents on the dollar as the supply of three-fourths Cherry will be shorter this year than it was the past season. Other stock getting a nice start and owing to continued rains at planting time have the best stand of stock we ever planted. W. C. REED.

**TEXAS NURSERY COMPANY,
SHERMAN, TEXAS.**

The early spring season in the Southwest was exceedingly favorable, the winter being mild, with plenty of moisture and even temperature, up to the first of April. April, however, has shown enormous rainfalls, there being in North Texas over twenty days showing rainfall out of April, and it is continuing so up to the middle of May, therefore, crop prospects have been hurt some, and nursery stock, but that has proven to be too much rain in north middle Texas, has furnished exceedingly fine seasons in the high western plateau. Nursery stock, especially on lands inclined to be wet, in North Texas, has been hurt some, but as a general thing, growth is very fine and the prospects good.

Taken altogether, the salesmen have given us some good reports despite the unfavorable conditions in some parts. The unrest caused by the boll weevil in the South is giving rise to a decided spirit of diversification, therefore, orchard planting is receiving an impetus, and the general development of the country is calling more for ornamental planting, so the general outlook for the nursery business in the Southwest, we would consider fair.

The leading nurserymen of this section are going to attend the National Nurserymen's Convention at Milwaukee, and will make an exhibit of early fruits.

WILLIS NURSERIES, OTTAWA, KAN.

In regard to our business this spring, we can make no complaint. The season last year was unfavorable, our crop was light and so we had a less amount to do with this spring than usual. The money panic last fall has undoubtedly quite unfavorably affected our deliveries this spring as a considerable proportion of them, especially in Oklahoma have cashed up less favorably than usual. Considering the amount of stock we had to work with we have had a good wholesale trade. Collections are coming in pretty well but we have not yet reached a point where we can feel sure just how well our wholesale trade will show in the matter of cash.

We have made a somewhat larger plant this spring than usual and things are growing fairly well. The season began very early. We began shipping earlier than usual and if everything goes as we now expect we shall finish making our spring shipments tomorrow so you see we have had quite a long season. Our trade for fall is starting off very well and the present outlook is that this year will be considerably better than last. We have noted from time to time a considerable number of reports from other nurserymen, most of them quite encouraging. It is a matter of much satisfaction to be able to believe the nursery trade is in as good condition as reports published this spring would indicate.

A. WILLIS.

CHARTER MEMBERS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

CHICAGO, JUNE 14, 1876.

Dr. J. E. Ennis, Clinton, Iowa; H. C. Windsor, Havana, Ill.; W. B. Caldwell, Paris, Ill.; W. H. Mann, Gilman, Ill.; T. H. Leslie, Ipava, Ill.; H. C. Graves, Sandwich, Ill.; J. J. Harrison, Painesville, Ohio; S. G. Minkler, Oswego, Ill.; J. S. Rogers, Marengo, Ill.; R. B. Sabin, Sparta, Ill.; E. Sanders, 93 Madison St., Chicago; G. E. Meissner, Bushberg, Mo.; A. C. Tuttle, Baraboo, Wis.; S. M. Wayman, Princeton, Mo.; Elisha Moody, Lockport, N. Y.; L. Woodward, Marengo, Ill.; J. T. Lovett, Red Bank, N. J.; J. A. Kennedy, Ravenna, Mo.; J. V. Cotta, Lanark, Ill.; B. N. McKinstry, Grant Park, Ill.; F. K. Phoenix, Bloomington, Ill.; A. H. Hovey, 181 State St., Chicago; Chas. Patterson, Kirksville, Mo.; W. I. Allen, 145 State St., Chicago; Geo. Milburn, Bristol, Ind.; W. J. Ellinwood, 66 Washington St., Chicago; T. S. Hubbard, Fredonia, N. Y.; Robert Excell, Chicago Floricultural Co., Chicago; Z. K. Jewett, Sparta, Wis.; R. G. Hanford, Columbus, Ohio; A. Dunning, Jefferson, Ill.; W. H. Williams, Batavia, Ill.; Robt. B. Parsons, Flushing, N. Y.; J. H. Hargis, Quincy, Ill.; W. Fancourt, Chicago Floricultural Co., Chicago; S. M. Slade, Elgin, Ill.; J. S. Stickney, Wauwatosa, Wis.; S. W. Hoover, Dayton, O.; J. C. Patterson, Kirksville, Mo.; D. B. Weir, Lacon, Ill.; E. M. Vail, Kewanee, Ill.; John G. Heinl, Terre Haute, Ind.; A. A. Curtis, Quincy, Ill.; Geo. E. Smith, Racine, Wis.; A. C. Millard, Lounsedale, Chicago; P. S. Peterson, 8 Bryan Block, Chicago; J. C. Vaughan, 123 Randolph St., Chicago; L. K. Scofield, Freeport, Ill.; O. P. Nicholas, Davenport, Iowa; E. Y. Teas, Richmond, Ind.; J. H. Harrison, Greenwood, Ill.; Jesse R. Whitney, Franklin Grove, Ill.; D. F. Holman, 145 Clark St., Chicago; H. W. Williams, Batavia, Ill.; Robert Douglas, Waukegan, Ill.; R. J. Douglas, Waukegan, Ill.; Olaf Benson, Lincoln Park, Chicago; W. T. Nelson, Wilmington, Ill.; D. M. Dewey, Rochester, N. Y.; D. Wilmot Scott, Galena, Ill.; A. Bryant, Jr., Princeton, Ill.; A. R. Whitney, Franklin Grove, Ill.

The Plankinton House will be the official headquarters.

THE WILLADEAN NURSERIES, WARSAW, KY.

At first our trade this spring was very good, had all we could do, owing to the rainy bad weather we had in March and April, but summing up our total sales this spring's business is less than last year.

Stocks of nearly all kinds were used up close especially Shade and Ornamental Trees and Shrubs. We had a small surplus of Plums and Kieffer Pear left, but most other stock sold well. Think the prospect is good for a good fall trade, although it is too early for us to tell much about it yet. Collections have not been very good.

J. F. DONALDSON

THE ROBBINSVILLE NURSERIES, ROBBINSVILLE, N. J.

Privet and Asparagus roots are the only two articles I handle in quantity. Prices on Asparagus roots have been the same for several years, but Privet sold this spring, 1908, for almost what it did in 1907. I sold about 500,000 Privet and the same amount of Asparagus roots. Collections have not been as good as usual.

C. A. BENNETT.

EDITOR NATIONAL NURSERYMAN,

LA FAYETTE, ILL.

Gentlemen:

Dear Sir:

Enclose you cheque of \$1 to pay my subscription to the NATIONAL NURSERYMAN. We built new packing shed and cellars this last fall. Shed made of brick 36x40 ft. part two story. Had to have more room on account of increased trade. Wishing you success.

Very respectfully,

IRVIN INGELS.

The NATIONAL NURSERYMAN as now published seems to us to be an ideal Trade Paper and we do not see where the present policies could be improved at this time.

THE GARDNER NURSERY CO.

Osage, Iowa.

Your attention is called to the new peach, "Martin's September," offered by James Cureton of Cureton Nurs. Austell, Ga.

Remember to get a Badge Book. Annual fee, five dollars.

Go to the convention full of energy and business.

Do not neglect the matter of Exhibits. Thomas B. Meehan is chairman of the Committee on Exhibits.

NATIONAL NURSERYMAN PUB. CO.,
Rochester, N. Y.

Dear Sirs:

Inclosed find check to pay my subscription to THE NATIONAL NURSERYMAN another year. I find your paper very profitable to me. Wishing you every success I remain.

Yours very truly,

JAS. CURETON.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., JUNE, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President, J. W. Hill, Des Moines, Ia.; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
National Inspection Law—Hon. Orlando Harrison, Berlin, Md.
Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.
Program—R. C. Berckmans, Augusta, Ga.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance—Judge Eugene Stark, Louisiana, Mo.; Peter Youngers, Geneva, Nebr.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATION

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y. secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

CHERRY STOCKS.

The growing of cherries has become a somewhat specialized part of the nurseryman's business. Not all soils, not all nurserymen are capable of growing good cherry trees. The question of the kind of stock to be used seems to demand less attention now than it did a few years ago. Formerly, a nurseryman considered Mazzards as well as Mahalebs. Now, the Mahaleb seems to be the popular stock, and the question hinges more on whether home grown or foreign grown. We are of the opinion that there is a field for other stocks than the Mahaleb. There is a growing demand for dwarf fruit trees, and the question arises whether we cannot use the sand cherry of the West as a dwarf stock for Morello cherries and perhaps for sweet cherries, with advantage. We know of Morello cherries fruiting on this stock, although as a matter of fact it seems more closely related to the native plum than to the European cherry. We know of cherry orchards fruiting on the bird cherry or pin cherry stock. There is no special advantage in this except where great hardiness of root is desired. We are of the opinion, however, that sweet cherries will do better on Mazzard stocks in the long run than on the Mahaleb, and raise the question with nurserymen as to whether they should not make a point of propagating more sweet cherries on the Mazzard stock than is now their custom.

SUMMER WORK IN THE NURSERY.

The month of June sees the nursery tree, the orchard tree, and the lawn shrub making its most vigorous growth. It is the time when the top of our nursery tree should be shaped, when the orchard tree should receive attention at the hands of the pruner, and when many of our lawn shrubs can be pruned to advantage. It is the time when leaf-eating insects and fungous diseases begin their work, and need close watching. It is the period when the spray cart should be kept going industriously, and when the superintendent of spraying should have both eyes open all the time. Attention at this period may mean much in the caliper of your nursery stock by the end of the season. It may mean the difference between good stocks for budding and stocks which cannot be budded at all, or with difficulty at the right period.

HEADING OF NURSERY STOCK.

A few years ago there was considerable difference of opinion as to the proper height at which to head nursery trees. This question has in more recent times resolved itself largely into a geographical problem. Certain regions of the country have more or less fixed ideas in regard to the requirements of the nursery tree in this respect, and these requirements are adhered to by the nurserymen of that region. In the West the tendency has of late been towards the lowering of the head of the tree. This is the outcome of a study of the influence of climate on the health and vigor of the tree. It has been found that trees with long, unprotected stems are likely to suffer from sun-scalding and other attending troubles in the prairie and Northwest states. In the East these difficulties

are less frequent. In the West, therefore, the low-headed tree is in favor.

It is safe to say, however, that there has been a distinct change of front among growers of stock and planters of stock in the East with reference to this same question. The cause is of different nature. The great necessity of spraying for the suppression of pernicious insects and injurious diseases; the newer ideas on pruning; and the introduction of tillage implements, which enable the cultivator to cover all the ground irrespective of the height of the head of the tree, has induced the eastern grower to lower the head very materially. In general, therefore, the tendency is towards a comparatively low-headed tree. We are of the opinion that for the long lived winter variety of apple, a reasonably low head is best in the East. If the head is branched low, it simply means that in later years we must prune up the branches to prevent them resting on the ground; and in our opinion a tree with branches starting quite close to the ground is not as stable nor mechanically as strong as one with a stem four or five feet in height, from which the branches start and are distributed at suitable distances. But the tendency is to look for immediate results. Whether we are short-sighted in this is a question which the future only can answer.

THE NURSERY BUSINESS IN NEW ENGLAND AND THE OLDER STATES.

It appears from historical records that the Massachusetts colony was greatly indebted to Governor Endicott, for encouraging the propagating of fruit trees. He set the example himself, for we learn that in 1648 he exchanged 500 apple trees of three years' growth for two hundred and fifty hundred acres of land.

The name of Old Orchard Beach, Maine, is derived from the very early planting of apple trees in that vicinity.

Governor Stuyvesant, of New Amsterdam (New York), planted a grafted pear tree in 1647 at a place which was afterward corner of Third avenue and Thirteenth street. This produced a small crop of pears as late as 1856, but was broken down a few years later by a careless drayman.

Sweet cherry trees were planted at Yonkers, N. Y., in 1650, and grew for more than two hundred years.

Top-grafting of the wild apple in Virginia with cultivated varieties occurred as early as 1647.

In 1768, the Society for Promoting Arts at New York awarded a premium of ten pounds to Thomas Young, of Oyster Bay, for the largest nursery of apple trees, the number being 27,123.

The first nursery in South Carolina is credited to John Watron, which was established before the Revolution. The Lombardy poplar is said to have been introduced into this country by William Hamilton, of Philadelphia, in 1784.

In early days, nursery trees were commonly top-budded or top-grafted, either in nursery or orchard.

The most important nursery of its day, and the first independent enterprise of the kind, was founded by William Prince, at Flushing, L. I., about the middle of the eighteenth century. This was continued by four generations of the

Prince family. A catalogue of the Prince Nursery, published in 1825, contained lists of 116 varieties of apples, 108 of pears, 54 of cherries, 50 of plums, 16 of apricots, 74 of peaches, and 225 of geraniums. This catalogue contains the following account of the establishment of the garden.

The Linnæan Garden was commenced about the middle of the last century by William Prince, the father of the present proprietor, at a time when there were few or no establishments of the kind in this country. It originated from his rearing a few trees to ornament his own grounds; but, finding, after the first efforts had been attended with success, that he could devote a portion of his lands more lucratively to their cultivation for sale than to other purposes, he commenced their culture more extensively, and shortly after published a catalogue, which, at that very early period, contained several hundred species and varieties, and hence arose the first extensive fruit collection in America.

The elder Prince died in 1802, at an advanced age.

Among the pioneer nurseries established a half century or more ago and still continuing are Ellwanger & Barry, Maxwell & Bros., W. & T. Smith, and E. Moody & Sons, of western New York, and Parsons & Co., of Long Island.

In Pennsylvania the Meehan House and Hoopes Bros. & Thomas remain. In Georgia the firm of P. J. Berckmans Company is in business.

THE NURSERYMAN A BENEFACTOR.

The observant traveler rarely visits a section where a good nurseryman or firm of nurserymen is located without observing the influence of these men on the life of the community. More fruit trees are planted, more door-yards and lawns are supplied with decorative plants. If the right type of nurseryman resides there the farming of the community is improved, because the intensive methods of the nurseryman are imitated.

In writing these lines we have in mind a striking example. More than half a century ago there came to western Wayne County, New York, a young man who had fruit growing proclivities, an intelligent, active mind, and progressive tendencies. He settled at the little village of Walworth, established a small nursery and began the growing and selling of nursery stock in that region. If one visits that region at the present time the influence of this man and his sons, who died just recently, is to be seen in the great orchards now approaching maturity, in the trees and shrubs planted on the lawns, and in the general improvement of farm conditions which prevail in the region. Through the influence of these men, the Yeomans family, there grew up the great evaporating industry of Wayne County, which has developed such dimensions that more apples are evaporated in Wayne County than in all the rest of the United States put together.

But this is only an example, and there are many others. Visit Rochester and you will immediately see the influence of the Ellwanger and Barry firm; in Philadelphia, the Meehans; the Berckmans in Georgia, and Van Lindleys in Carolina. The nurseryman has a great field and a tremendous opportunity. Gratifying, is the thought that many of them are measuring up to their opportunity.

ANNUAL CONVENTION AMERICAN ASSOCIATION OF NURSEYMEN

Milwaukee, Wis., June 10-12, 1908.



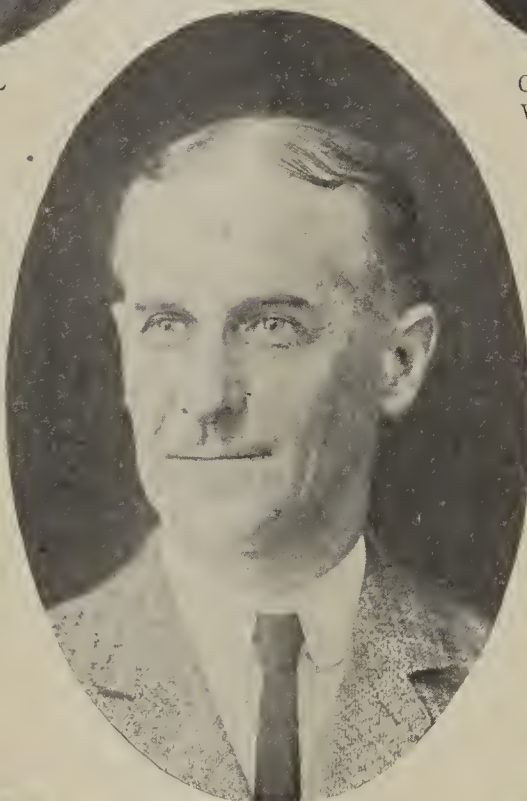
J. W. HILL
President



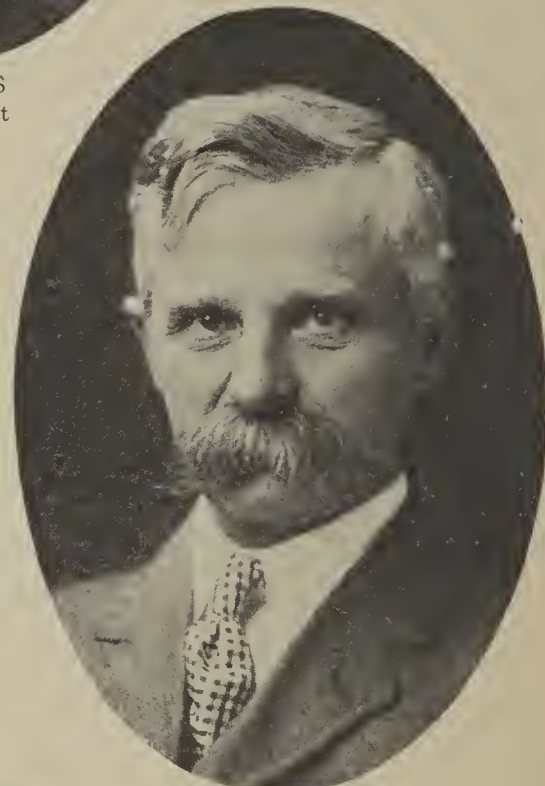
C. M. HOBBS
Vice President



HERBERT B. CHASE
Executive Committee



J. H. DAYTON
Chairman of
Executive Committee



E. M. SHERMAN
Executive Committee



CHAS. J. MALOY
Chairman of National Council of Horticulture



GEO. C. SEAGER
Chairman Committee of Arrangements

IMPORTANT NOTICE.

To Members and Their Friends:

Arrangements have been made with the Chicago, Milwaukee & St. Paul Railway for special coaches and parlor cars for our exclusive accommodation on train leaving Chicago from Union Passenger Station, Canal and Adams Streets, at 11:30 A. M., June 9th. This train carries dining car (service a la carte) and arrives Milwaukee at 1:30 P. M. For the accommodation of those wishing to remain in Chicago for luncheon arrangements have been made for special coaches and parlor cars on train leaving at 1:50 P. M. This train arrives Milwaukee 3:50 P. M.

Members are requested to advise C. N. Souther, Gen. Agt. Pass'r Dept., C. M. & St. P. Ry., 315 Marquette Bldg., Chicago, by postal card or letter, the train they will leave Chicago on and also the number in their party, so that ample equipment can be provided, also special train if required.

Tickets from Chicago to Milwaukee and return (rate \$3.40 can be purchased in Chicago at City Ticket Office, 95 Adams St. (near Dearborn St.) and at Union Passenger Station. All coupon ticket agents sell tickets via the Chicago, Milwaukee & St. Paul Railway. When purchasing your ticket be sure that it reads via this line from Chicago to Milwaukee and return. Passengers holding through tickets and arriving Chicago on lines not entering Union Passenger Station are transferred to that station in rubber-tired omnibuses free of charge, a short and pleasant ride through the business district of the city.

As the subjects to be discussed at this convention are of vital importance to all members of the association, it is hoped there will be a large and enthusiastic gathering.

(Signed) CARL CROP
BENJ. E. GAGE,
Com. of Arrangements.

PROGRAM COMMITTEE.

EDITOR NATIONAL NURSERYMAN,
Ithaca, New York.

Dear Sir:

It has been the object of the Program Committee to have as few papers as possible, but let these be upon interesting subjects that will bring out considerable discussion. We are also depending greatly upon the Question Box, as this is a most excellent medium to bring out discussions, and with the topics that we have—should bring about a free discussion and a most interesting meeting.

It seems to be the desire of the members that we give more time to social features than heretofore. It was suggested that a side trip might be made to Lake Geneva, with a view of giving the members of the Association an opportunity of inspecting the private places there, and I have received an invitation from Mr. H. K. Dickinson of Lake the Geneva Gardeners' Association of Lake Geneva, Wis., but did not feel as if the Program Committee had the authority to act for the Association. I returned thanks to these

people for their kind invitation, stating that I would extend the invitation to the Association for action, and would advise them in this matter. Lake Geneva is a very attractive place, but I fear that the time it would take to make the trip would be more than our members would agree to put in.

Prospects seem unusually good for a large attendance from this section of the country, and I am trying to bring a good delegation at that time.

We are having some very cool and unseasonable weather at present. We had a heavy frost here last week, and would not be surprised to see another frost—should this low temperature continue. However, the fruit crops in this section have not been injured, and we are expecting the largest shipment of peaches out of Georgia that has ever been made. I beg to remain,

Yours very truly,

R. C. BERCKMANS.

LEADING NURSERYMEN OF WISCONSIN.

Boerner, A. F., R. F. D. No. 1,	Cedarburg,
Brown Nursery Co., W. W., P. O. Box 105,	Hartland
Coe, Converse & Edwards Co.,	Fort Atkinson
Evergreen Nursery Co.,	Sturgeon Bay
Great Northern Nursery Co., M. F. Foley,	Baraboo
Hawks Nursery Co.,	Wauwatosa
F. J. Ferguson, mgr.	
Kellogg, L. G.,	Ripon
Kellogg, Geo. J. & Sons,	Janesville
Lake Henry Sons,	Black River Falls
Mack, S. B. & Co.,	Monroe
McKay Nursery Co.,	Pardeeville
Matthewson, J. E.,	Sheboygan
Mitchell, Bert,	Valley Jct.
Maple Hill Nursery,	
J. E. Stewart, R. No. 2,	Rock Elm
Growing adopted varieties of apple trees a specialty.	
Rastall, Benj.,	Viola
Rentschler, Geo. Prop., R. F. D. No. 7,	Madison
Salzer, John & Seed Co.,	La Crosse
Smith, Howard,	Poy Sippi
Thompson, L. G.	Tomah
White Elm Nursery Co.,	Oconomowac
Wisconsin Nursery Co., W. F. Moyle, R. F. D. 6	Union Grove

Those who select the best paper and then confine their advertising to it can afford enough space to make their advertising effective.

"Life, however short, is made still shorter by the waste of time."

Read President Hill's letter to the May NURSERYMAN. It will give you an idea of the business to be transacted at the convention.

While at the convention confer with NATIONAL NURSERYMAN's representatives and get in touch with the latest phases of the business. The NURSERYMAN is *your* paper.

PROGRAM AMERICAN ASSOCIATION OF NURSERYMEN.

PLANKINTON HOUSE, MILWAUKEE, WIS.

June 10, 11 and 12, 1908.

WEDNESDAY, JUNE 10th, 9:30 o'clock A. M.

Calling to order, President J. W. Hill, Des Moines, Iowa.
Address of Welcome, Mayor D. S. Rose, Milwaukee, Wis.
Response, Geo. S. Josselyn, Fredonia, N. Y.
President's Annual Address, J. W. Hill, Des Moines, Iowa.
Announcement of arrangements for selection of state vice-presidents and for meeting of vice-presidents.
Report of Secretary,
Report of Treasurer,
Reports of Standing Committees:
Transportation, F. H. Stannard, Ottawa, Kas.
Tariff, Irving Rouse, Rochester, N. Y.
Legislation, Wm. Pitkin, Rochester, N. Y.
National Inspection Law, Orlando Harrison, Berlin, Md.
Publicity, J. M. Irvine, St. Joseph, Mo.
Exhibits, Thomas B. Meehan, Dreshertown, Pa.
Editing Report, J. Horace McFarland, Harrisburg, Pa.
Mutual Fire Insurance, Peter Youngers, Geneva, Nebr.
Entomology, C. L. Watrous, Des Moines, Ia.

THURSDAY, JUNE 11th, 9 o'clock, A. M.

Roll Call of States; Naming vice-presidents.
Report of Vice-Presidents.
Election of Officers.
Selection of Next Place of Meeting.
"How can the Nurseryman Best Assist in the Civic Improvement Movement," J. Horace McFarland, Harrisburg, Pa.
"Is it Good Policy on the Part of the Nurserymen to Send Out Cheap Lists at the End of the Season?" J. M. Pitkin, Newark, N. Y.
"A Few Points on Improvements," Judge Eugene Stark, Louisiana, Mo.
"Horticultural Inspection Laws as they Affect Nurserymen," M. McDonald, Salem, Ore.
"Semi-Tropical Thoughts for Nurserymen," H. H. Hume, Glen Saint Mary, Fla.

FRIDAY, JUNE 12th, 9 o'clock, A.M.

"The Great Southwest," Jno. S. Kerr, Sherman, Tex.
"Cost of Growing Stock," H. L. Bird, Benton Harbor, Mich.
"The Pecan," H. D. Simpson, Vincennes, Ind.
"Elements of Success in the Nursery Business," J. B. Pilkington, Portland, Ore.
"List of Desirable Fruits for my State and are Recommended to the Planter:"
C. M. Hobbs, Bridgeport, Ind.
J. Van Lindley, Pomona, N. C.
Geo. H. Whiting, Yankton, S. D.
C. J. Maloy, Rochester, N. Y.

A. Will's, Ottawa, Kans.
B. W. Chattin, Winchester, Tenn.
W. F. Heikes, Huntsville, Ala.
Peter Youngers, Geneva, Nebr.
F. A. Weber, Nursery, Mo.

Report of Committee on Final Resolutions.

The following list of questions has been prepared and will be taken up as the deposition of the program throughout the three days permits.

Members are requested to avail themselves of gaining information by handing questions to the secretary at any time during the meeting.

In order to give members opportunity for ample social and business intercourse the above program provides for one session daily. It is hoped that this arrangement will result in the attendance of every member at each of the three sessions.

QUESTION BOX.

Full and free discussion invited.

Question No. 1.—Would it be advisable to have a law for the patenting or trade marking for various varieties of fruits?

Question No. 2.—Does not the average nurseryman import nursery stock that can be grown at home? If so, why?

Question No. 3.—Has any nurseryman succeeded in preventing apple crown gall and hairy root?

Question No. 4.—Is there enough co-operation among nurserymen?

Question No. 5.—Is the demand for ornamentals increasing?

Question No. 6.—What class of nurserymen are able to manage a business and make a profit under present conditions?

Question No. 7.—How should pecans be graded?

Question No. 8.—Are the large orchardists still getting the benefit of wholesale prices?

Question No. 9.—Are foreign houses careful enough in grading and sorting seedlings?

Question No. 10.—The need of a better class of labor and how can we get it?

Question No. 11.—Why should growing nursery stock be taxed as personal property any more than wheat, corn, etc.?

Question No. 12.—Could not the apple orchard interests be improved by more stringent laws regarding the labelling of pure apple cider vinegar?

Question No. 13.—Is the Kieffer pear responsible for the limited sale of pear trees at the present time?

Badges will be delivered to members by the secretary of registration at the convention.

Ladies in attendance will be supplied with badges on application to the secretary.

Announcement will be made during the first session of the time and place for meetings of the various Protective Associations, if information is placed in the hands of the secretary.

RAILROAD RATES.

The Railroads after long consideration finally declined under date of April 29th, to grant the usual reduced fares on the certificate plan and suggested

"That your people be referred to the summer tourist fares which will be in effect to Milwaukee at the time of your meeting. Full details of the Summer Tourist fares may be obtained upon application to the representatives of the several lines."

SPECIAL COACHES AND PARLOR CARS.

CHICAGO TO MILWAUKEE.

Arrangements have been made with the Chicago, Milwaukee & St. Paul Railway for special coaches and parlor cars on train leaving Chicago from Union Passenger Station, Canal and Adams St., at 11:30 A.M., June 9th., arriving at Milwaukee at 1:30 P.M. For those who wish to remain in Chicago for luncheon there will be special coaches and parlor cars on train leaving at 1:50 P.M., arriving at Milwaukee at 3:50 P.M.

FOR STOP OVER IN CHICAGO.

Mr. Benjamin E. Gage, of the Chicago committee, advises that good arrangements have been made with the Great Northern Hotel for accommodations for members who may wish to stop over in Chicago on their way to the convention. This hotel is centrally located and near the Union Depot and good rates are assured.

Mr. T. J. Ferguson has made arrangements for local entertainment and outside features at Milwaukee.

THE CONVENTION—A LINE FROM AN ABSENTEE.

To my friends the Nurserymen, honest label men, spurious lithographers, spray men, box men, and other camp followers, GREETING :

You are all figuring on how you can take in that Milwaukee convention and incidentally "Take In" some fellow on Apple Seedlings, Peach Yearlings, Veritable Bartlett Pears, the real thing in Box Straps, Star Raffia, etc. If you are not figuring on this trip, you ought to be. Probably McFarland will get that game leg of his in traveling condition and if he reaches the beery city you may expect a good deal of breeze if not a real gale. I don't know whether Charlie Yates has arranged his usual Pullman de luxe party with refreshments. If he has you will miss a big thing if you don't get aboard. Papa Josselyn will be there, with his unrivalled stock of stories—older than most of the Chautauqua wine, and Charles J. Maloy looking as wise as the statute of Cicero, and Charles J. Brown looking as pious as Maloy wise, and Wm. Pitkin of legal fame, and many other Rochester celebrities will be there. But Commodore Yates will also be accompanied by shining lights from the Sleepy Hollows adjacent to Rochester. Dansville will send her gallant Hartman and her Moreys, Newark her sage Perkins, Watson and Stuarts. While Geneva will contribute her Smiths and Henrys. And

what a merry party, augmented as it is sure to be by frequent accessories along the route, will arrive in Milwaukee, full (this refers to the condition of the cars) of enthusiastic men eager for a meeting with their energetic brothers of the south and the west. Not forgetting the hardy representatives of the fassana belts of Dakota and Minnesota.

I am scribbling these lines on a steamer which will land me shortly among the macaroni eaters of Sorrenta, Italy. It is interesting here, but I'd like mighty well to join the Milwaukee bunch to hear Pete Youngers make a sturdy speech in favor of Denver, and J. McHutchinson eloquently champion Boston as places of meeting in 1909. Go ye one and all and "may you have the time of your life."

Cheerfully yours,

JOHN CRAIG.

Naples, Italy, May 6th, '08.

NATIONAL INSPECTION.

Editor National Nurseryman:

From the fact I have had nothing to say in your paper on a National Inspection Law does not mean that I have been asleep.

It was useless to introduce a bill into Congress that would not in any case, have sufficient opposition to be defeated—I learned that and simply paused. A house divided against itself cannot stand; I saved our ammunition until we can better agree and determine more definitely what is wanted. It was useless to pay out good money to go to Washington. I have the assurance from our Senators and Congressmen that they are ready to help, but the whole matter should be well defined before being presented.

Now that both the Entomologists, Inspectors and Nurserymen have passed resolutions favoring uniformity, I hope that we can decide on a bill that will meet the requirements of all concerned. This is no small subject, it is far too important to be rushed into a law that may be found to be a detriment to the Nurserymen. Some difficulty might be experienced before it could be repealed.

Let us all think well and act wisely. I would like to get a better expression from the Nurserymen, Entomologist and Inspectors, and have sent the following letter to every member of the Nurserymen's Association and to the Entomologists and Inspectors. I hope to have a summary of their replies to consult in preparing a bill. Let us all attend the Convention and see if we can improve our conditions.

I appeal to you directly as one who is interested in this important matter to the Association to write me by return mail just what your views are and what particular points have you to suggest after going through another shipping season?

I want a prompt reply to the following questions. Your name will not be used.

Do you favor a National Uniform Law? If so, state what you consider is to be gained.

Do you object to a National Uniform Law? If so, why?

Yours very truly,

ORLANDO HARRISON,

Chairman National Inspection Law.

A GROUP OF PIONEER NURSERYMEN AND POMOLOGISTS

ANDREW JACKSON DOWNING

The most notable work of this eminent pomologist was "Fruits and Fruit Trees of America," published in 1845. Mr. Downing was easily the foremost pomologist of America. Not only was he a student of fruits, but he was an ardent nature lover, and a man of a highly artistic temperament. As a landscape architect and a promoter of the natural school of gardening, he took high standing. His "Fruits and Fruit Trees of America" has gone through many editions, being enlarged and amplified by his brother and successor, Charles Downing.

JOHN J. THOMAS

John J. Thomas, of Union Springs, N. Y., died at an advanced age in 1895. He was a close and accurate student of pomology, and wrote the "American Fruit Culturist," which has passed through more than twenty editions, and which now in its revised form is one of the standard works of reference on American systematic pomology. Mr. Thomas was more closely associated with systematic and descriptive pomology than with fruit-growing; therefore, his interests were not as intimately connected with the Nurseryman's Association as those of many other fruit-growers.

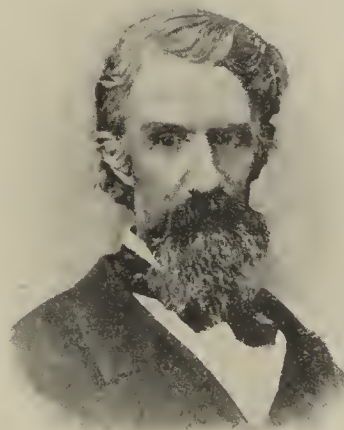


John J. Thomas

There is a gap in the original text between the portrait of John J. Thomas and the text about Dr. John A. Warder.

DR. JOHN A. WARDER

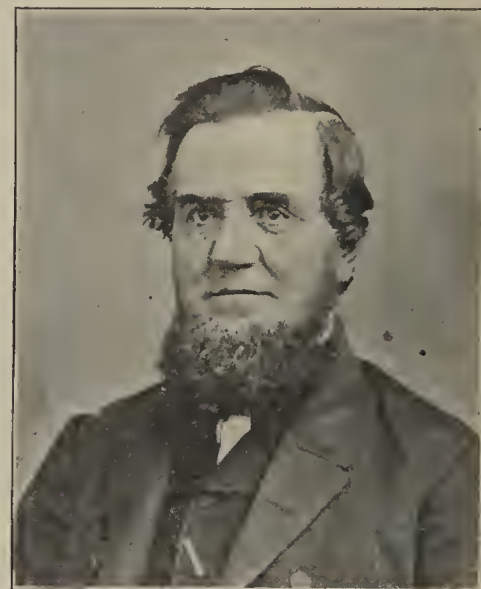
Born in Philadelphia, Pa., 1812; died in Cincinnati, Ohio, 1883. Educated as a physician. A pupil of Bartram and Michaux in early life, he was taught to take an interest in plants and natural history. Leaving this profession in middle life, he bought a farm in Ohio and became a fruit experimenter. He brought together a large collection of fruits which he accurately described, and which formed a basis of his book entitled "American Pomology." He was also the author of "Hedges and Evergreens." He was the discoverer of *Catalpa speciosa*. His interest in forestry matters was always keen, and he is to be regarded as the prime mover in the organization of the American Forestry Association. He was an active worker in the American Pomological Society and the American Association of Nurserymen.



John A. Warder

ELISHA MOODY

Elisha Moody, the first president of the American Association of Nurserymen, died at Rockport in 1891. He was one of the oldest nurserymen in western New York, and the head of the oldest firm existing today. He is succeeded by E. Moody & Sons.



Elisha Moody

A. R. WHITNEY

A. R. Whitney was born at Albion, N. Y., in 1824. He died at Franklin Grove, Ill., December, 1897. He was treasurer from 1876 to 1890. He will be remembered as originator of Whitney (No. 20) Crab.

EDGAR SANDERS

The temporary chairman of the initial organization out of which emerged the American Association of Nurserymen, lived in Chicago. For some time before his death Mr. Sanders was an invalid. He was a forceful character, and always took a keen interest in the welfare of the Association.



Edgar Sanders

D. WILMOT SCOTT

The death of D. Wilmot Scott, first secretary, was reported by the Committee on Necrology at the meeting of 1889, held in Chicago, and resolutions of sympathy and appreciation were passed.

THOMAS SMITH

Mr. Smith was one of the founders of the firm of W. & T. Smith Co., of Geneva, N. Y. He died on December 2, 1895. Mr. Smith came to America from England as a youth. He engaged in the nursery business in Geneva in 1846 with his brother William. This firm, with Ellwanger & Barry, of Rochester, were pioneers in the business of growing fruit trees in western New York.

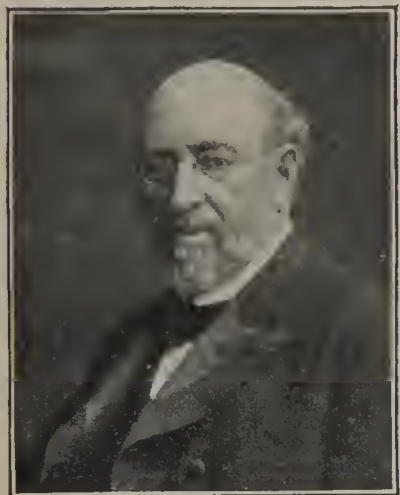


Thomas Smith

ETHAN ALLEN CHASE

HEAD OF AN IMPORTANT GROUP OF NURSERIES.

The subject of this sketch was born on a farm in the town of Turner, Me., in 1832. His early life work was exceedingly

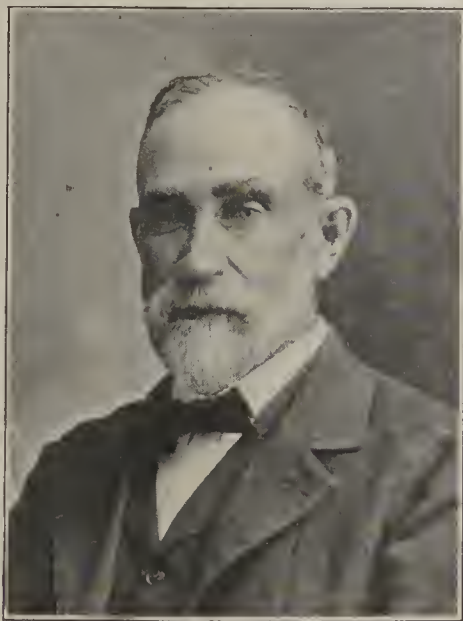


Lewis Chase
Of Chase Bros., Rochester

varied. Beginning as a railway employee, he afterward taught school, and later was a manufacturer of powder and of wooden ware. In August, 1856, his connection with the nursery work began, when he canvassed for the sale of nursery stock in Maine. The firm of Chase Bros. was organized by him in Rochester, in 1868. This firm has grown rapidly, and has given birth to several others,

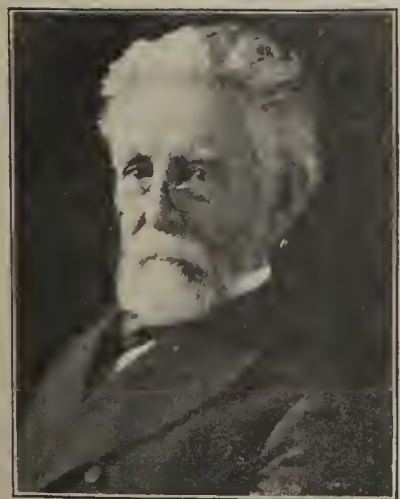
among them Brown Brothers Company, Glen Bros., T. W. Bowman & Son, and the Alabama Nursery Company. The motto of the parent firm as well as the branch firms, has been honesty and straightforward dealing.

In 1881 Mr. Chase moved to Riverside, Cal., where he engaged in the nursery business, making a specialty of orange and lemon trees and rose bushes. He now controls 1,800 acres of orange and lemon groves, is president of the Chase Nursery Company, Riverside, Cal., and the Alabama Nursery Company, in addition to various orange-planting companies.



Ethan A. Chase

HON. NORMAN J. COLMAN



Norman J. Colman

Prominent among the chief executives of the Association was Mr. Colman, of Missouri. Probably no man in the middle West ever did so much to promote agriculture and horticulture as the subject of this sketch. He was one of the organizers of the Missouri Horticultural Society. He was Commissioner of Agriculture at Washington; while occupying this position established the Divisions of Pomology and Vegetable Pathology. It

was during his régime that the great experiment station system of today had its inception. Mr. Colman was first a nurseryman, and his sympathies were ever with the grower of trees. For many years he was editor of Colman's Rural World.

PATRICK BARRY

Born in Ireland, near the city of Belfast, in 1816; died June 23, 1890, at Rochester, N. Y. He came to this country



Patrick Barry

at the age of twenty, and immediately entered the employ of the Princes, the prominent nurserymen of Flushing, Long Island. In 1840 he moved to Rochester and formed a partnership with George Ellwanger, which marked the organization of the Mount Hope Nurseries, now of world-wide reputation. Mr. Barry for many years was the most commanding figure in American horticulture. He was a man of

strong personality, clear perception and great integrity. He was a co-worker with Downing, Prince, Parsons and others. He was at different times editor of leading horticultural papers, and is the author of the "Fruit Garden." For over thirty years and until his death, Mr. Barry was president of the Western New York Horticultural Society.

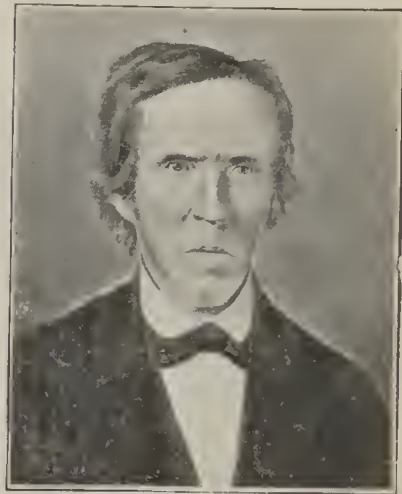
JUDGE JAMES STARK

BY SENATOR JAMES CHAMP

Judge James Stark, of Bourbon county, Kentucky, the founder of Stark Bros. Nurseries and Orchards Co., Louisiana, Mo., in 1825, served under Gen. William Henry Harrison at Tippecanoe, and under Col. Richard M. Johnson—"Old Dick," as he was popularly called—at the Battle of the River Thames. He was present when Tecumseh was killed by a private who loaded his gun with a peculiar kind of slug. Tecumseh was not killed by an officer as some historians relate.

He came in the prime of his manhood from Bourbon, one of the finest counties in Kentucky, to Pike, one of the richest in Missouri, reared a family which is still numerous and powerful and laid the foundation for one of the largest nurseries in the world, now conducted by the third and fourth generations of his descendants.

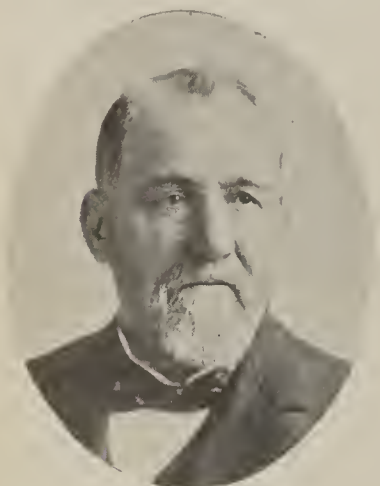
We sometimes build more wisely than we know. He little dreamed, while riding horseback from the far-famed Kentucky blue grass region to the richer Missouri blue grass region, carrying in his old-fashioned saddle-bags, the scions with which to start a nursery on the sunset side of the Mississippi, that he was beginning a business which would render the name Stark honorably familiar not only throughout America but beyond.



James Stark

HON. N. H. ALBAUGH

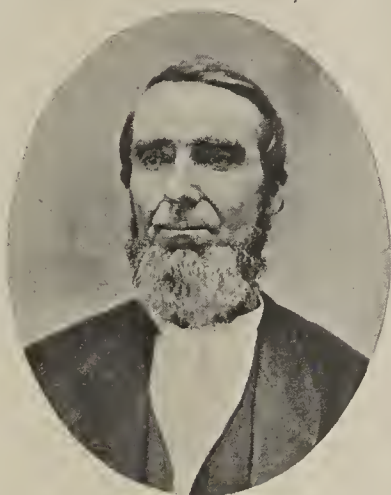
Mr. Albaugh, president of the Albaugh Nursery and Orchard Company, of Phoneton, Ohio, was born in Ohio in 1834, and has the unique distinction of having attended all the meetings of the Nurserymen's Association, except one, for twenty-nine years. He was President of the Association, and on various occasions presided over the meetings in the absence of the executive. Mr. Albaugh was actively engaged in the nursery business for forty-nine years, and at one place.



Hon. N. H. Albaugh

OLIVER ALBERTSON

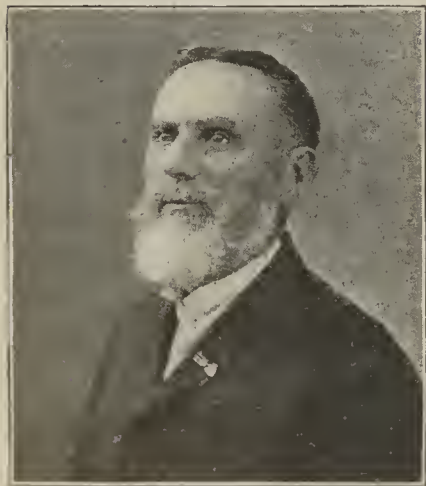
Oliver Albertson, father of Emory Albertson, of the firm of Albertson & Hobbs, Bridgeport, Ind., established in 1845 the business which this well known firm has so splendidly developed. The first nursery was located in Washington county. It was removed to Marion county in 1875, when it started with five acres. It is now the oldest, as well as the largest nursery in the state.



Oliver Albertson

J. J. HARRISON

J. J. Harrison was born in the County of Kent, England, August 20, 1829. In the summer of 1831 his parents moved from Margate, England, to Painesville, Ohio. He was



J. J. Harrison

educated at Kirtland Seminary and in Bryant & Lusk's Cleveland College. Graduating from it, he went to Milwaukee and entered the establishment of Lansing Bonnell as bookkeeper. Later, he entered into partnership with his brother, William Harrison, and Orlando Root, to engage in the business of apple shipping from Ohio and western New York to Milwaukee.

This was continued for three years, with a change in one of the partners. The fruit business occupying fall and winter only, the spring seasons were devoted to itinerant tree-top grafting, working in New York, Canada, Georgia, Louisiana, Arkansas and Ohio. Not being able to obtain scions of the newer varieties in Ohio, he had recourse to Rochester nurseries, to which he made personal visits. It was here that he acquired the idea of making the nursery business his profession. In 1857-8 he made a start on Menton avenue, afterward known as the Avenue Nurseries, conducted by, Loomis & Brainard. In 1858, he entered into partnership

with Jesse Storrs, who had established the Painesville Nurseries some five years previous. On December 31, 1858, he was united in marriage with Rachel A. Tuttle, who passed away August 16, 1899. The only surviving children are Alice A. and Willard C. Harrison. The latter is now treasurer of the Storrs & Harrison Company. The subject of this sketch was one of the charter members of this Society and served as president 1878-79. Mr. Harrison has traveled extensively abroad and is member of many horticultural societies.

In 1881 the Painesville Nurseries incorporated as the Storrs & Harrison Company, with J. J. Harrison as president, which office he still holds. The nursery has grown from ten or twelve acres in 1858 to as many hundreds at the present time.

ROBERT DOUGLAS

Robert Douglas was born in England, April 20, 1813. He came to America in 1836, explored the eastern states quite thoroughly, and settled in Waukegan, Illinois, in June, 1844. Mr. Douglas was for many years the most noted grower of coniferous seedlings in the United States. He it was who first made a success of growing this class of evergreens in the open air. He was also a pioneer in the



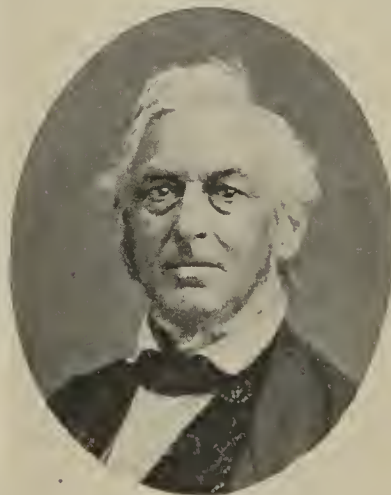
Robert Douglas

growing of apple and pear seedlings in this country. He was the introducer of the Colorado Blue Spruce, and a popularizer of many other valuable native trees. Mr. Douglas was a charter member of the American Association of Nurserymen and a constant attendant at its meetings. His two sons, who now continue the business, attended the first meeting of the Association with him.

REMINISCENCES OF EARLY MEMBERS.

EDITOR NATIONAL NURSERYMAN:

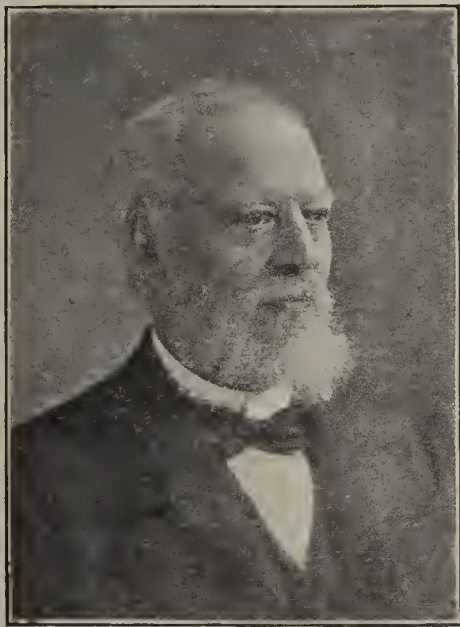
I have a letter from you this morning asking me to go back into the chambers of my memory and tell the younger members of the Association something about the first meetings, which happened so long ago that they seem like dreams.



Wm. Robert Prince, at age of 72

The first meeting which I ever attended was in the seventies, in Chicago. The pictures in my mind of the meetings of those early days are made up of faces which are no longer seen in our councils. A. R. Whitney, of Illinois, was for many years treasurer; D. Wilmot Scott, of the same state, for almost as many years secretary. The first presidents were from

the West; in fact, the Association of Nurserymen was a western product. In those days the Association was made up of nurserymen, florists and seedsmen, and such men were there as Robert Douglas, who was the pioneer of evergreen seedling-growing in America; Thomas Meehan, the scientist and horticultural writer; James Vick and Peter Henderson, seedsmen and florists; Patrick Barry, of Rochester, author of a most valuable book upon fruit-growing and nursery work; Maxwell Bros., and W. and T. Smith, of Geneva, were there; John J. Thomas, one of



Thomas Meehan
Eminent botanist and horticulturist

America's most accurate authors; Dr. John A. Warder, of Ohio, author of Warder's Pomology; Norman J. Colman, a most excellent presiding officer and for many years editor of an influential paper in St. Louis; A. S. Fuller the author of many books, and many, many more whose works were vital in shaping the future life of the Association.

In those days an interesting part of the programme used to be the accounts given by different members of the condition and quality of stock in the various lines, judged from his own personal experience and knowledge of this region. That seemed to work very well, and we young men of the West used to rise up and frankly state how things seemed to be. It was apparent, however, that many men of the nursery centers of the East indulged in diplomatical generalities, as against our frank and more or less exact statements. No open complaint was made, so far as my memory goes, but from some cause or causes that custom dropped out of use. I do not doubt that there are other men who will tell you more and I hope better than I have.

Sincerely,
C. L. WATROUS.

A GROUP OF VETERANS IN THE RANKS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

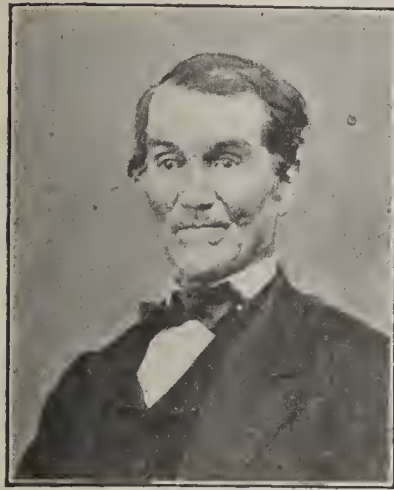
THEODORE SEDGWICK HUBBARD

Mr. Hubbard is one of the best known members of the American Association of Nurserymen. He was chairman of the first executive committee appointed. He was a member of the committee which drafted the constitution, and he has acted as chief executive of the Association on several occasions. He was born in Steuben county, New York, in 1843. He received a common school education,



T. S. Hubbard

supplemented by a course in the academy at Alfred, New York, after which he became a teacher for two years. This was followed by a course in the commercial college at



Reuben Ragan, one of the first nurserymen of Indiana

Poughkeepsie, N. Y. In 1866 he formed a partnership with three Steuben county friends, and organized the firm of T. S. Hubbard & Co., purchasing one hundred acres of land near Fredonia, N. Y., where the foundation of his great grape business was established. For many years the firm has been one of the most noted in the country as grape-growers. Mr. Hubbard retired from active business two years ago, and up to the time of his death resided in Geneva, N. Y.

PROSPER JULIUS BERCKMANS

Prosper Julius Berckmans established his nursery at Augusta, Ga., in 1856, a few years after arriving in this country from Belgium. The firm of P. J. Berckmans Company is well known in the East, and is a household name in the South. The senior member has been actively identified with all branches of horticultural progress, being for many years the president of the American Pomological Society. His sons are now carrying on the good work which he set in motion, and guided for so many years. Mr. Berckmans was president and a guiding force for many years in the American Pomological Society.



P. J. Berckmans

Northwest Nursery Co., Valley City, N. D., has been incorporated. The members of the company are, E. A. Pray, E. C. Hilborn, P. A. Pickett, O. O. Wagley; capital, \$50,000.

C. R. Burr & Co., Manchester, Conn., who recently leased the Pickles farm at Buckland, are rapidly developing the farm into an up-to-date nursery.

A. Chandler Manning, landscape architect, has opened an office at Reading, Mass.

NATIONAL NURSERYMAN PUBLISHING CO.,

Dear Sirs:

We are enclosing \$1.00 in payment for subscription. We depend on the make up of your paper as a guide to market conditions as strongly as on the issue of surplus lists and general correspondence.

Yours respectfully,

THE WOLVERINE CO-OPERATIVE NURSERY CO., LTD.
G. E. PRATER, JR., Gen. Mgr.

Anything of value in the profession can be sold through the advertising columns of the NATIONAL NURSERYMAN.

BUYING NURSERY STOCK

PROF. F. A. WAUGH, AMHERST, MASS.

I suppose that every man who has any reputation as a horticulturist is often asked advice in the buying of nursery stock. Certainly such inquiries come with remarkable frequency to the desk of a man who happens to be professor of horticulture in a college and horticulturist of an experiment station. It is sometimes difficult to answer these questions fairly, sometimes difficult to give honest advice, and sometimes almost impossible to satisfy the whims of inquirers.

There are certainly well-grounded prejudices in the minds of tree buyers, prejudices which nearly always have to be met in one form or another. The first and worst of these is the notion that every nurseryman is a scoundrel. Many buyers seem to think that the nurserymen delight in sending trees untrue to name. This notion finds its support in the practices of the itinerant tree peddler. While the tree peddler sometimes sells trees to farmers who would never plant anything, his operations on the whole have been a very serious damage to the nursery trade. Of course, the nurserymen are in a better position to judge this matter than I am, but that is the way it looks to me.

Another prejudice which I find much more widespread especially amongst intelligent planters, is the one in favor of locally grown trees. There is, of course, a certain advantage in getting plants from the neighboring nursery, especially when one can select them in person and haul them home in his own wagon. There is also the advantage of doing business with the man with whom one is personally acquainted. Still, I am sure that the prejudice is entirely groundless in its main point of support. The theory that a nursery tree grown in Massachusetts will thrive better when planted in its home-county than when planted in Vermont, Ontario or California appears to me to be wholly unfounded. This observation is based upon many years of experience.

Of course the shipment of trees very long distances involves some risks. Such trees may be poorly packed and may arrive in bad condition. These are risks of transportation, however, and are not properly chargeable against the trees themselves.

We all know that large quantities of our nursery trees, especially certain kinds of fruits, are now grown by wholesalers in the southern states. Even if I send an order for one Rome Beauty apple, one William's Favorite and one Maiden Blush from the most reputable nursery firm in Rochester, New York, I may actually get three trees one of which was grown in Topeka, Kansas, one in Huntsville, Alabama and one in Berlin, Maryland. The ordinary

buyer, who patronizes the northern nursery because he thinks northern trees are hardier, does not understand this fact. Perhaps, it is just as well he does not, though as a rule such ignorance is no advantage to him or to the nurseryman.

There is a special prejudice against these southern grown trees, but I feel sure this prejudice is strongest in those men who know the least about the matter. Personally, I have a preference in the opposite direction. I do not wish to make any protests in favor of the southern nurserymen as against their northern brothers, but, other things being equal and all satisfactory, I would use southern grown trees. My reason for doing so is simply that they are bigger, stronger trees. The southern growers have a longer season in which to grow their stock. They, therefore, get the bigger and heavier growth. There is absolutely nothing to show that these trees are not perfectly hardy when they are planted anywhere in the North.

Another point which buyers of nursery stock ought to observe carefully, but which it is difficult to get them to attend to, is that of ordering early. Every nurseryman knows that the shipping season is made a continuous nightmare by the heavy arrival of small dribbling orders. A gentleman will come in calling for a dozen different trees of a dozen different varieties. It is impossible in the office to tell whether all these varieties are in stock or not. It takes as much trouble to look up the stock list and locate where each one of these is as though the man had ordered a thousand of each sort. As a consequence the order is refused or shelved. Nurserymen, of course, habitually urge their buyers to send early orders but I think they could make this advice

more emphatic with advantage.

I have often considered the advisability of issuing a printed bulletin of directions for buying nursery stock with a view to sending it out in reply to the many questions which come to the office. I think such information would be just as legitimate and quite as useful as bulletins on spraying. I have always been deterred, however, by two considerations: (1) The fact that it would be necessary to combat the deep seated prejudice mentioned above, which could not be well done in a brief bulletin; and (2) the difficulty of presenting the desired information without directly advertising specific nurseries.

I know that a good many men in official positions refuse entirely to recommend particular nurserymen. I have never taken this ground and have never hesitated to give names and addresses of men whom I believe to be reliable and who are in a good position to supply the trees asked for.

WORDS OF WISDOM.

Your trade paper will always be of value, if you will get the Nurserymen to keep you posted on the questions that are giving them trouble, such as exorbitant freight rates, unfair scale laws, and restrictions of any kind that are against the interests of the Nurserymen. **If one has a problem of this sort and says nothing of it, the chances are that he will get no help, and continue working under a disadvantage.** On the other hand, if the matter can be taken up by the NATIONAL NURSERYMAN, he will quite likely find that there are others striving against the same disadvantages, and stronger action can be had.

WM. WARNER HARPER
Chestnut Hill, Pa.

EDITORIAL WANDERINGS II.

THE AZORES AND THE MEDITERRANEAN.

The Azores or Western Islands, dependencies of Portugal, and a group of nine small islands, poke their irregular noses out of the water quite abruptly. Here and there sharply pointed hills run up several hundred feet taking on curious and unexpected shapes. The hillsides, however, present a pastoral appearance very different from the hills of the same type in the Colorado region of the Rocky Mountains where water is needed to give verdure and vegetation.

The whole group of islands provide about 1,200 square miles of surface, a considerable part of which is made arable by dint of industry and ingenuity. The striking thing about the island is the equability of the climate. Perhaps, nowhere else does one see a more evident example of the influence of the Gulf Stream. Lying between latitude 36 and 40 N., the climate of the region is sufficiently equable and humid to ensure the successful cultivation of oranges and other citrous fruits. In late years, the pineapple has been extensively planted. Other crops of great importance are wine and tea. Evidence of the salubrious character of



Palm Street of the Garden Antonio Borges—Ponta Delgada—S. Miguel-Azores

the climate is found in the great variety of tropical trees and shrubs found in the public parks and private gardens.

One of the show places of Ponta Velgada, a city of 20,000 inhabitants, is the garden of Antonio Borges, which for beauty of design and tropical luxuriance is difficult to equal much less surpass. The Doctor, his good wife and the young lady of our party were surprised and charmed. The interesting feature about the Azores is that one expects little or nothing and is delightfully disappointed.

The people of the Islands, of Spanish and Portuguese extraction, have developed provincialisms as a result of their isolation. The peasant rain costume on some of the Islands is very unique as shown in the accompanying illustration. It consists of a large cape surmounted by an enormous and much modified Quaker bonnet which protects the face and shoulders as well as the head. A profile view suggests nothing that you have seen before except, perhaps, a gigantic pouter pigeon.

The Island vehicles and methods of transportation are original also. The two wheeled carts of various designs drawn by donkey burros, goats, or even sheep are frequently

seen in S. Michael. The young lady was much scandalized at the sight of a fat drunken man urging his steed—a demure sheep—up a steep incline greatly against the steed's desires. She was much delighted, however, when the collar parted releasing the animal which promptly took to its heels.



Plantation of Tea in S. Miguel

THE MEDITERRANEAN.

At Gibraltar, the quiet run of three hours into the harbor is sufficient to bring most of the retiring passengers on deck. In many respects, Gibraltar is disappointing. The great rocky promontory frowns at the visitor but the fortress as it exists is left largely to the imagination. There is no admission for the casual visitor. The city is modified oriental in its architecture and Anglo-Oriental in its populace. English, French and Spanish are spoken or attempted. Ask a native what language he speaks and he will answer, "Gibraltar." It is then "up to you" to guess what that means. Your ear catches a mixture of French and bad English. The native, during the tourist season is



principally engaged in "doing" the tourist. His location gives him peculiar advantages and the tourist is comparatively "easy." Later on he acquires a tougher veneer and learns that the asking price is usually about twice the selling price.

On the day preceding our arrival an accident occurred on one of the French war vessels causing the death of a petty officer and several seamen. The funeral, participated in with full military honors by English and French, took place during the hours of our stay ashore and was very impressive as are all European military pageants.

To the plantsman there is little of interest at Gibraltar. The hillsides present the features of a semi-tropical climate. The gardens are sub-tropical in character and, where water is abundant, very attractive. In the markets, one finds oranges, varying from medium to poor, grown in Spain; grapes from Malaga at 40 cents a pound, figs and dates at much lower prices. Flowers—mostly of the bulbous types—are pushed before you everywhere. The prices at first are high but as the passengers return to the lighters extraordinary bargains are offered and accepted, for Algiers is two days distant and table decorations are needed. Altogether, though our visit in Gibraltar is only a few hours we leave without many regrets, impressed with vague feelings of isolation and inhospitality.



CHARLES WORK
Manager Catalogue Department

NURSERYMEN AND FRUIT GROWER ACTIVE.

Orlando Harrison of Berlin, Md., recently won the best managed, cleanest political fight that has taken place in Worcester county, Maryland. The election was to decide whether the county should be "wet" or "dry"; there were 2905 "dry" and 845 "wet" votes cast. As chairman of the dry forces Mr. Harrison was responsible through his systematic, well ordered methods, for the victory.

As further vindication of the temperance people, Mr. Harrison was reelected Mayor of Berlin for the fifth consecutive term. The fact that there was no opposing candidate attests to the greatness of the victory.

Mr. Harrison is the active member of the firm of J. G. Harrison and Sons at Berlin. He is also president of the Synepuxent Salt Water Inlet Company and president of the Peninsula Produce Exchange.

The National Nurseryman Co.,

Inclosed please find \$2.00 for next 16 months. I'm very pleased with your paper and will not be without it.

M. P. ANDERSON, Sweden.

THE FRUIT-GROWER'S REPRESENTATIVES AT MILWAUKEE.

The Fruit-Grower, the leading fruit paper of America, is to be well represented at the Milwaukee convention. Three members of the firm will be on hand to meet the nurserymen and to see that all visitors get better acquainted with Brother Jonathan. The representatives, whose likenesses are shown herewith are W. G. Campbell,



J. M. IRVINE
Chairman of Publicity Committee

general manager; James M. Irvine, editor, and Charles Work, manager of the catalogue department. Messrs. Campbell and Irvine have attended all meetings of the Association for a number of years, but this will be the first session for Mr. Work, and his presence this year is justified by the increased business *The Fruit-Grower* has done with members of the Association in printing catalogues, price lists, and the like.



W. G. CAMPBELL
General Manager

The Fruit-Grower will have liberal space in the exhibit rooms at Milwaukee, for the display of specimens from its printing department, and the representatives will be glad to discuss the printing of any kind of catalogue, as well as to talk about contracts for space in *The Fruit-Grower* for the coming season.

Obituary.

EDWIN HOYT.

Mr. Edwin Hoyt of the firm of Stephen Hoyt's Sons Co. of New Canaan, Conn., died April 17, and was buried April 20. In the death of Mr. Hoyt, New England loses one of its oldest nurserymen. His age was 76 years. He died of pneumonia with other complications, having been taken ill on Sunday, the 12th day of April.

The nursery business of Stephen Hoyt's Sons Co. was started in 1849 by Stephen Hoyt, the father of the deceased. After Stephen Hoyt's death the business of this firm was carried on by his sons, James Hoyt and the deceased, under the firm name of Stephen Hoyt's Sons. In 1904, the business was incorporated under the name of Stephen Hoyt's Sons Co., of which Edwin Hoyt became president and manager, and remained so until the time of his death.

JOSEPH QUINN.

Joseph Quinn, landscape gardener, died at East Ryegate, Vt., on April 12, at the advanced age of 111 years. He was born in County Cork, Ireland, and came to this country in 1817.

H. N. JACQUEMENT.

H. N. Jacquement, a well-known landscape gardener, who resided at 481 Central avenue, Jersey City, died suddenly in New York on Friday, April 24. Mr. Jacquement was sixty-nine years old. He came to this country from France some thirty-five years ago, and had always been a resident of Jersey City. A widow and six children survive him.

MISS NINA HOLTON.

Miss Nina Holton of Newburyport, Mass., a member of the staff of the Bureau of Plant Industry, Department of Agriculture, died in Washington, D. C., on May 5.

NEW CANADIAN BILL OF LADING.

In view of the interest being taken in the movement in the United States to secure a Uniform Bill of Lading, the following, from a Canadian paper, relative to the efforts in a similar direction being taken there, will be of interest. Some consider that this form might be a good one for those working upon the matter in the United States to follow:

"The transportation committee of the Board of Trade met to consider the adoption of a simple form of bill of lading in place of the cumbersome and unintelligible form now in use.

Few people have ever studied the meaning of the present conditions, and those who have, have found them to be onerous on the shipper. The Canadian Manufacturers' Association and the Jobbers' and Shippers' Association of Canada, together with other large organizations, have been working for years to get a new form, and the former body

has submitted several forms for approval by the Boards of Trade throughout Canada.

The transportation committee approved of the forms, which are as follows:

Form for "Straight Shipments."
Original. Not Negotiable.
Railroad Company.

Station 19
Received from the property described below in apparent good order, as noted (contents and condition of packages unknown), to be transported and delivered in accordance with the provisions of the law, in like good order to the consignee (insert description of articles, weight, rate, route and car number initials if in carload).
(Official stamp).

Agent.
Form for "Order Shipments."
Original. Order Bill of Lading.

Railroad Company.
Station 19
Received from the property described below, in apparent good condition except as noted (contents and condition of contents of packages unknown), to be transported and delivered to the order of in accordance with the provisions of law and the terms of this bill of lading.

"The property herein described shall not be delivered until the original bill of lading, properly endorsed, has been surrendered and canceled, or in case of a partial delivery, a statement thereof has been endorsed thereon.

"Any stipulation or endorsement on this bill of lading that it is not negotiable shall be void and of no effect.

"Inspection shall be permitted under this bill of lading, unless otherwise endorsed hereon, which endorsement shall be made at the time of its original tenor.

Special marks:

Consigned to the order of

Destination

Notify

At

"(Insert description of articles, weight, rates and routes, and car numbers and initials if in carload.)

Official stamp.

"Agent."

"Any alteration, addition or erasure, fraudulent or otherwise, in this bill of lading, which shall be made without the endorsement thereof hereon signed by the agent of the carrier issuing the bill of lading, shall be without effect and the bill of lading shall be enforceable according to issue by the agent, if requested by the shipper.

LETTER FROM PRESIDENT J. W. HILL.

President J. W. Hill writes: "I have a communication today from Mr. Bernardin, in which he states that the boys in his section of the country are going to turn out in full force and that we may look for a big crowd from the west.

The reports on Exhibits are encouraging, and I am advised that this feature will be more extensive this year than ever before."

CHERRY GROWING.

By J. W. GAINES.

The ideal soil for the production of top-notch cherry, is, as I regard it, a rich loamy clay soil, with red clay sub-soil underlaid, six to ten feet below the surface with gravel. Selfdraining soil like this enables our trees to avoid wet feet, which the cherry so much abhors.

The soil and its preparation.—Clover plowed down and followed with a crop of corn is a good preliminary method of preparing for the plant. The immediate preparation needed should be done as early as the ground will work well, but not before. The soil should be thoroughly pulverized and worked up to "garden" conditions. This I consider very important. Do not let wet weather or late seasons tempt you to economize at this point. Defer planting until you can meet these requirements. Give your stocks the highest sense of comfort by preparing for them a nice "feather bed." Do not banish them to the cold comforts of a mortar bed, or compel them to play hide and seek among the clods.

The stocks.—I prefer good one year number one stocks, 5 to 8 m. m., dug when ripe, and kept perfectly dormant until planted. The tops should be trimmed to straight stems and the roots cut back to four and one half inches, if straight and if branched, from three to six inches, the length being governed by the branches thereon. The branches may be cut from one to two inches in length. Tie in bundles of 50 or 100 and cut the tops back to 12 inches with a hatchet.

Planting and cultivating.—Plant as early as the ground can be put in suitable condition as above indicated, the earlier the better. Begin to cultivate the day you commence to plant, and if they are not too frequent, follow every rain with the cultivator just as soon as the ground is sufficiently dry to work and before it crusts over. During dry weather, cultivate right along, conserving the moisture with an effectual dust mulch.

Budding.—In southwestern Ohio, we usually commence budding cherry from July 25 to August 10. However, look to the condition of the stocks rather than the calendar, for guidance, and watch them closely. We have had buds inserted September 25 make a good stand but it is good policy to bud as early as the stocks will admit.

Tying the buds is an important matter, quite as much so as inserting them, and should be closely supervised. Carpet warp or white wrapping yarn is preferable for tying cherry buds. The strings should be cut from fifteen to eighteen days after budding.

Pruning.—I regard the last of February or the first of March the best time to cut off the budded stocks. One year cherry should be pruned in February. I never head Dukes or Morellos unless they are very tall yearlings. We rub our one year cherry from the ground up about two-fifths of the height of the stem, and in July or early August, prune a little higher, which gives a good fat tree, one that will

caliper nearly the same at the lower limbs as it will three inches above the bud, and is much preferable to one rubbed up to three limbs, resulting in a tree that will have a stem tapering from three-fourths near the collar to about three-eighths inch at the lower limbs.

Spraying.—A complete spraying apparatus is now regarded as quite as necessary to successful cherry growing as cultivators. "Early and Often" should be the motto painted on your spray cart in big letters. Stocks, buds and one year trees should be sprayed throughout the season, avoiding hot parts of the day during heated spells, when plain water will sometimes scald foliage. Ordinary Bordeaux mixture, using five pounds of copper sulphate to fifty gallons of water seems to be about the right thing, with the usual addition of lime.

The one essential to effective spraying is power. Whether that power is derived from traction steam, gasoline, compressed air or man, is a question of mechanics and economics but power, you *must* have. Bordeaux mixture is more effective and less dangerous when a thin film remains on the foliage, than when the tree is drenched. The difference

between sprinkling and spraying is sometimes the difference between failure and success. Not the quantity of material used, but the manner of application is the important point. The growing season for cherry is very short, and it is important that they be kept busy during that time, but if it is further curtailed by yellow and dropping foliage, the result will not be a satisfactory number of first class trees.

The frequency of application will, of course, depend upon the weather. Showery weather not only tends to remove the material from the foliage but is

specially favorable to fungus growths, and renders necessary frequent applications under such conditions.

These suggestions are submitted with the full knowledge that our best laid plans and elaborately detailed methods some times "gang aft a glee." Failure will sometimes follow our most painstaking efforts, but success is more likely when we do well our part.

ADVERTISING CERTAINLY PAID HIM.

A man in Kansas is convinced that advertising pays. He advertised for a lost five dollar bill, and a stranger who had picked one up on the street, read the advertisement and restored the bill to the advertiser. A few days later while looking over a waist coat, he had laid off, the original lost bill was found in a pocket. He says advertising pays one hundred per cent.

"All clean and worthy business benefits by the sunshine, and it is a mistake to keep in the shade." *Printer's Ink.*

"If you stop your horse from drawing your cart, you can of course, push it from behind a little way. But why take the momentum off? The timid advertiser will know what this parable means." *Printer's Ink.*

By disseminating all news of interest to nurserymen, we are much interested in apple crop prospects and reports as well as nursery news. It is also a place where discussions on all live topics may be carried on and where all are accorded a place to present their views. Advertising in a trade paper is also very advantageous. All topics pertaining to horticulture are of interest to nurserymen and should find a place in a trade paper.

H. M. SIMPSON & SONS.

Vincennes, Ind.

Business Movements and Activities.

Thaddeus N. Yates & Co. report nursery business very brisk and much better than expected. They have commenced the shipment of a large order of trees for the Massachusetts Highway Commission.

W. J. and A. E. Maloney of Dansville, N. Y., together with F. Walter Wells of Rochester, N. Y., have organized a company under the name of Maloney Bros. & Wells, for carrying on a general retail and wholesale nursery business.

The Continental Nurseries, Franklin, Mass., have received from Holland a large consignment of hardy rhododendrons, azaleas, roses, Japanese maples, etc.

The American Evergreen Company succeed the A. J. Fellouris Co. at 52 West 28th Street, New York. They will shortly remove to 103 West 28th Street.

W. L. E. Green, one of the proprietors of the Estella Nurseries, Wood River, has located at Kearney, Neb., and started a nursery. A retail office and yard will be maintained.

Reports from Hartford, Michigan, state that local nursery dealers have had an excellent trade this spring. Practically all of the choicest fruit lands on which the orchards were destroyed by the frosts of 1906 are being reset with a choicer variety of trees.

Bobbink & Atkins, of Rutherford, N. J., are sending out great quantities of nursery stock. The blue spruce and other conifers grown by this firm are among the finest of this year's offerings.

Expert evidence was brought forward recently at Toronto, Can., to show that purchases of stock by the park department from nurserymen were charged for at rates enormously increased over those asked by others in the trade. The city, it was said, had paid \$10,164 for stock that should have been purchased for \$3,000.

The Puget Sound Nursery & Seed Co., of Seattle, Wash., reports that its business is fairly good at present. Two carloads of nursery stock have been received from Europe and another is expected.

The Christopher Nurseries of Auburn, Wash., have been shipping fruit trees and loganberry bushes to Seoul, Korea.

The Grand View Nursery Co., of Des Moines, Ia., reports a fine season's business. It is contemplating considerable additions to its plant this spring.

A Mr. Ingalls, of North Yakima, Wash., has purchased 75,000 trees from the Brown Nursery Company which he is preparing to sell to fruit growers in that section.

The Capital City Nursery company, of Salem, Oregon, report the sale of 60,000 apple and peach trees to a fruit association with headquarters at Ellensburg, Wash.

Three persons whose names have not yet been made public have bought twelve acres of land at Ashland, Wis., and will establish a nursery there.

H. M. Seckatz and Frank Tager are said to be planting the establishment of a nursery at Leaf River, Minn. Mr. Seckatz was formerly with the Gateway Nursery company of Iowa.

W. H. Moore, E. A. Henby and J. R. Canfield have been elected the directors of the Indianapolis Forest and Nursery Company recently incorporated at Indianapolis, Ind. The company is capitalized at \$20,000.

The South Eastern Nursery Company of Beaumont, Texas, has been incorporated with a capital stock of \$6,000. The incorporators are E. McMickin, J. W., T. A., and A. S. Sporlock.

Irwin Ingels, nurseryman of Lafayette, Ill., has predicted a good year for fruit in his state.

The E. B. Frantz Company, or Tecumseh Nurseries, of Cedarville, Ohio, have gone out of business.

The manager of Washington Irrigation company, E. F. Blaine, has purchased 12,000 apple trees from the Sunnyside, Wash., Nursery company. The nursery company has obtained seven tons of peach pits for next season's planting.

H. Bellwood, recently went to Quinlan, Okla., where he supervised the distribution of thousands of fruit trees bought by farmers in that vicinity from Ottawa, Kan., nurseries.

Marshall Brothers, nurserymen, of Arlington, Neb., have reported that they are having great success with the Windsor Chief apple on which they won the highest awards at an exhibition in Paris.

The Willis Nurseries, Ottawa, Kan., have just remodeled their office and completed a large addition to their packing house.

The Wapato, Wash., Nursery Co. has secured a five-year lease of the Jesse Peam French, 80 acres, and another 40 acres, giving them in all 200 acres of ground.

The Sneed Nursery & Orchard Co., Tyler, Tex., has been chartered with a capital stock of \$43,000; C. W. Wood, J. F. Sneed, Frank Brunton, incorporators.

The Parma, Idaho, Nurseries are to be enlarged by the addition of over 100 acres purchased by the proprietors, The Hawkes Investment Co.

The North Jersey Nurseries now have offices at 188 Market street, Newark, N. J. E. D. Pennell, the manager, reports a promising outlook for spring.

Headquarters have been established in Waterville, Me., by the Phoenix Nursery Co. of Bloomington, Ill., which will be the general office for the state.

The Senate of the state of Maryland has refused to reimburse Josiah A. Ramsburg of Frederick, Md., for diseased trees valued at about \$4,500 that were destroyed by order of the inspector at his nursery.

The Palisades, N. Y., Nurseries have been incorporated with a capital of \$15,000. The directors are: Andrus McGillivray and John M. Stevens, of this place, and James Cochran, 49 Wall street, New York.

J. C. Grosman of Wolcottville, Ind., has accepted a position with C. M. Hobbs & Sons, nurserymen, at Bridgeport.

H. Weber & Sons, Sanders' Nursery, Rotenhoefer and Schuette, of Missouri, have had a very busy season in trees and shrubs. Stock of all kinds is selling better than ever before. California privet is having a big run at all these places.

The Conine Nursery Co., of Stratford, Conn., imported a larger quantity of European stock this season than ever.

The Elizabeth Nursery Company of Elizabeth, N. J., anticipating an extra demand for hardy trees, shrubs and perennials, has grown an enormous quantity of this class of stock.

The Grandview Nursery of East Des Moines, Iowa, is contemplating extensive improvements this spring at its packing grounds on Hull and Delaware avenue.

West Chester's nurseries have grown to such an extent that they now surround the town on all sides.

A large number of the leading nurserymen in Holland, members of the Dutch Nurserymen's Association, have, at solicitation of the similar British body, signed the following: "The members bind themselves not to send any trees, shrubs, plants, roses, etc., to Great Britain, Ireland or Scotland, for the purpose of public sale by auction, under a penalty of 500 guilders, to be paid to the cashier of the society."

The Elk City Nurseries, F. W. Budurtha, manager, Elk City, Okla., has reported that the spring business was not only better than expectations, but shows a large increase over last year.

There were 262 cases of nursery stock on a recent boat from Rotterdam to New York.

The George Wittbold Co., Chicago, says the sale of shrubs is beyond its rather sanguine expectations at the time the nursery at Edgebrook was started a couple of years ago.

The Devils Lake Nursery Co. has been incorporated, with John W. Maher, Henry Hale, J. E. Maher and William Schwartz as members. The nursery will be situated on the Maher farm one-half mile east of Devils Lake and will comprise about eighty acres of the finest land in the whole state of North Dakota. It is the intention to handle every kind of tree suitable to the climate and they will plant 500,000 poplar and shade willows, also 100,000 ash, elm, soft maple, mountain ash, linden, birch and box elders. Already three acres of ash and box elders have been planted.

A crew of men is at work clearing a piece of ground where the evergreen arbor will be stationed and every suitable commercial variety of evergreen will be planted. Mr. Maher states that there is now on the way to the nursery a carload of seedlings from L. L. May & Co., and also a carload from the Jewell Nursery Co., of Lake City, Minn.

William Schwartz, of Charles City, Ia., who has been seventeen years in the nursery business, is one of the members of the company and will have charge of the nursery.—*Florist's Review*.

REMEDY FOR SAN JOSE SCALE.

Mr. C. D. Jarvis of the Storrs Experiment Station, Connecticut, has published in a bulletin a new remedy for San Jose scale. The lime-sulphur wash has so many undesirable qualities that an improvement has been wanted for some time. The formula which is in two parts, is given here:

The Emulsifier.

Carbolic acid (crude liquid 100 per cent)	2	quarts
Fish oil (pure Menhaden or whale oil)	2 1/2	quarts
Caustic potash (granulated)	1	pound

"Heat to 300 degrees F., remove from the fire and immediately add

Kerosene	3 1/2	quarts
Water	5 1/2	quarts

"Very serious difficulty has been experienced in getting materials of the proper grade. This is especially true with regard to the local dealers who are not familiar with the requirements and who are likely to substitute 'something just as good.'

"The emulsifier may be made up in any quantity and kept indefinitely. The cooking is best done in an iron kettle equipped with a cover and so arranged that it can be readily removed from the fire. The mixture being inflammable, it is unsafe to do the cooking near a building.

The Complete Soluble Oil.

"Water, 1 part; emulsifier, 8 parts; crude petroleum, 18 parts; rosin oil, 4 parts.

"This part of the formula may be made up at any time without heat. The materials should be added separately in the order named.

"By securing the materials in large quantities the complete 'soluble oil' may be made up for 16 to 18 cents per gallon. If diluted with 15 parts water, as is recommended, the spray mixture costs slightly over one cent per gallon. The lime-sulphur wash costs, including labor and fuel, at least one and one-half cents per gallon, and the commercial soluble oils cost, depending upon the amount of dilution, from two and one-half to three and one-half cents per gallon.

Directions for Use.

"After a thorough stirring, take one part of the 'soluble oil' to fifteen parts of water. Before mixing up large quantities, pour a few drops in a glass of water to see if it mixes. If it has been properly made the mixture will form a milky emulsion without any free oil on the surface. When satisfied that it will readily mix or 'emulsify,' a convenient way is to pour three gallons of the soluble oil solution into a fifty-gallon spray barrel and fill the barrel with water.

"Thoroughness of application is of utmost importance. Badly infested orchards should receive two applications, one in the fall and the other in the early spring. As a regular practice, however, one application, just after the leaves drop in the fall, should keep the insect in check.

"Where the leaf curl is prevalent in peach orchards the oil spray in the fall may be supplemented by a spring application of lime and sulphur. A finer nozzle should be used for the oil than for the lime-sulphur wash. In this way more thorough and more economical work may be done. Because of its greater spreading action and of its adaptability to a finer nozzle, one gallon of oil emulsion will go as far as one and one-half gallons of the lime-sulphur wash.

"Complete information is given in the bulletin regarding the source and cost of materials, the preparation of the 'soluble oil,' the necessary precautions and the time and method of application.

"The bulletin will be sent free upon request by addressing the Storrs Experiment Station, Storrs, Connecticut."

SOCIETIES.

The regular monthly meeting of the Pennsylvania Horticultural Society was held on Tuesday evening in Horticultural Hall. Henry F. Michell occupied the chair.

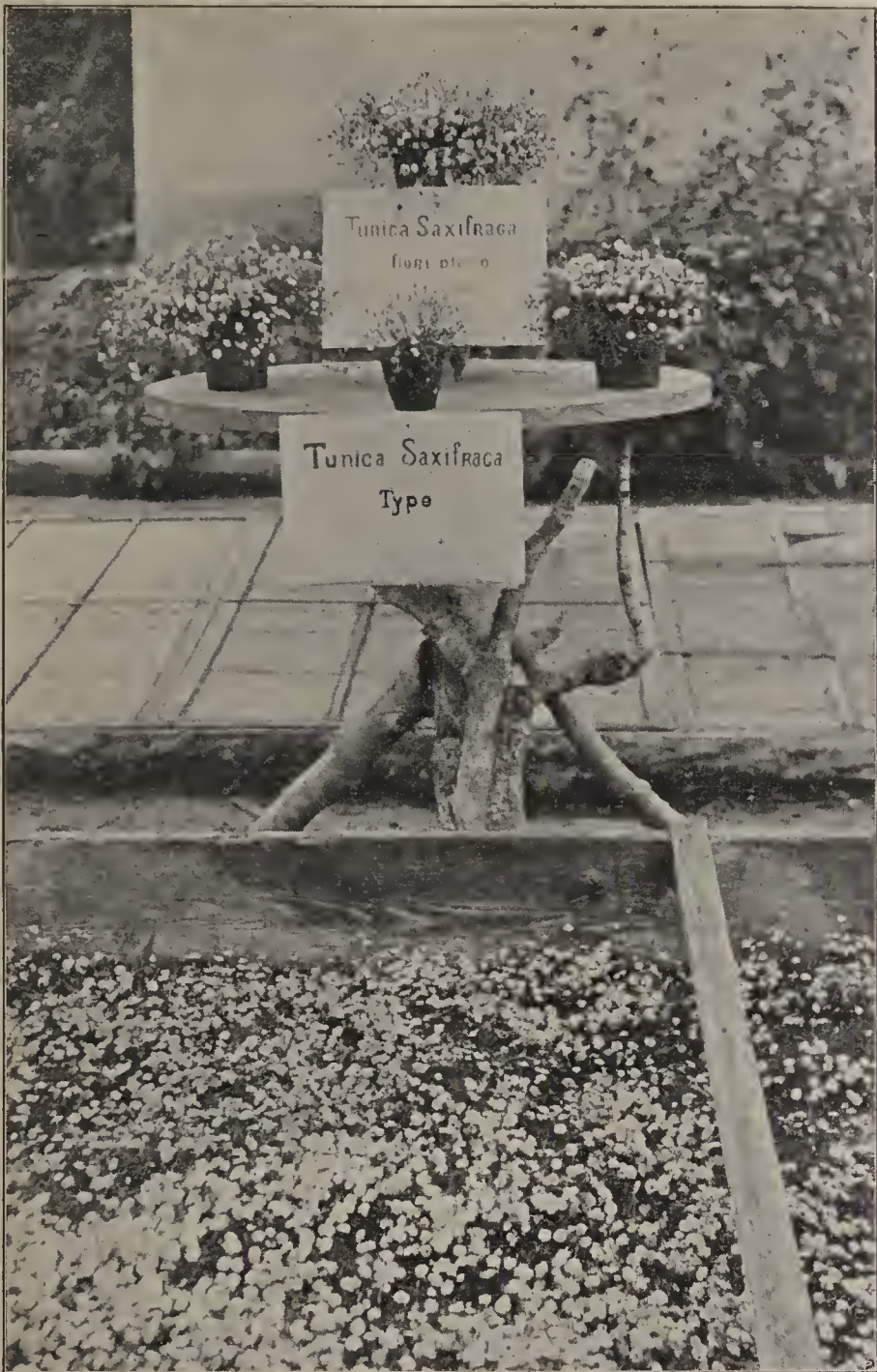
An interesting address on the subject of "Dahlias" was delivered to the members of the Rhode Island Horticultural Society, April 15 at Providence, by Alexander McLellan of Newport. Resolutions on the death of Edward I. Nickerson were passed.

The American Rose Society has accepted the invitation of the Horticultural Society of New York to hold its summer meeting and exhibition of garden roses in connection with the June meeting. The exact date cannot now be announced. Anyone, not a member of either society, will be notified, if an application is sent to Leonard Barron, secretary, at 55 Liberty street, New York.

The Canadian Horticultural Association has accepted the invitation extended by the Buffalo Florists' Club to all delegates attending the C. H. A. convention at Niagara Falls next August to take part along with the S. A. F. O. H. delegates, in the trip to Buffalo, in the sports and entertainments which will be given at that time.

The New Orleans Horticultural Society held its monthly meeting for April on the sixteenth of that month.

At a recent meeting of the Royal Horticultural Society, London, England, Prof. G. Henslow, V. M. H., gave an interesting lecture on the origin of the cultivated cabbage. He traced the history of the cabbage from the time of Cato, 200 B. C., to the present day.



TUNICA SAXIFRAGA FL. PL., a new Hardy Perennial of great merit. It has double Pink flowers from May to October. See advertisement.

2 1/2 Ineh Pots ROSES 4 Ineh Pots

On own roots, summer grown, winter rested, for lining out.

Send want list to **THE LEEDLE FLORAL COMPANY** 400 Best Varieties
SPRINGFIELD-OHIO.

FOR SALE

A retail nursery and fruit farm of 45 acres. Price \$7,500.

Easy terms.

Inquire of

CALEB SUTTON, Franklin, Pa.

J. H. SKINNER & Co.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

I have enrolled on my books upwards of sixty prominent Nurserymen in various parts of the country who come to me regularly for their catalogs, trade-lists, order blanks and other supplies. My equipment is thoroughly up to date. I have a large quantity of engravings available for the use of my customers, and a competent and experienced force of workmen. My work is strictly first-class. I shall be pleased to make new acquaintances.

W. F. HUMPHREY,

Established 1885.

Geneva, N. Y.

Write for Samples, Stock Catalogue and Price List.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of HARDY PERENNIALS

Including the New Hardy

TUNICA SAXIFRAGA FL. PL.

(Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PAEONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

H. FRANK DARROW

26 Barclay Street, New York

Sole American Agent for

LOUIS LEROY'S NURSERIES

ANGERS, (FRANCE)

Growers and Wholesale Exporters of Fruit and Ornamental Stocks, Shrubs, Manetti and Multiflora, etc.

H. M. HARDYZER

BOSKOOP, (HOLLAND)

Grower and Wholesale Exporter of Roses, Clematis, Rhododendrons, Evergreens, Hardy Azaleas, Paeonies, Conifers, etc.

JOHN PALMER & SONS, LTD.

ANNAN, (SCOTLAND)

Growers and Wholesale Exporters of Whinham Industry and other Gooseberries, Currants, Norway Maples, Manetti Stocks, Rhododendrons, Roses, Evergreens, etc.

Direct Importer of Japanese and Bermuda Lilies. Holland and French Bulbs.

Import and Export Shipments promptly and carefully attended to.

Special attention given to market values for custom purposes.

H. FRANK DARROW

26 Barclay Street

NEW YORK

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 1 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

YOUNGERS & CO.

GENEVA, N.E.B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa,
Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908.

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, *Sole Agent,*

105-107 Hudson Street :: :: New York City.

SURPLUS

We have a specially fine lot of the following stock, all first class, well grown, properly transplanted, A No. 1, on which we would be glad to make special prices.

WE CAN OFFER BY THE THOUSAND

Silver Maples, 1 1-4 to 1 1-2"

Lonicera Tartarica, 2 to 3 ft. and 2 to 4 ft.

Philadelphus Aurea, 15 to 18" and 18 to 24" heavy

Aralia Spinosa, 3 to 7 ft.

White Pine, 3 to 4 ft. and 4 to 5 ft.

American Arbor Vitae, 2, 3, 4 and 5 ft.

Ampelopsis Veitchii, 2 and 3 yrs. field grown

WRITE FOR QUOTATIONS

AMERICAN NURSERY COMPANY

SALES DEPARTMENT, 150 Broadway, New York

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,

Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem Kieffer and LeConte Standard Pears 2 yr. fine trees; Can offer 50,000 Peach Seedlings, grown from Natural Peach Pits, nice size for lining out in Nursery for budding, or suitable for grafting in the South, also a nice lot of Japan Pear Seedlings. Correspondence solicited.

THE WINFIELD NURSERY CO.

Winfield, Kansas, yet have to offer 1-2 and 9-16 inch **Elberta**, a few **Speciosa Catalpa**, some fine, well grown **Shade Trees** and a small quantity of well home grown and **Imported Mahaleb**.
Watch our future advertisements.



The Winfield Nursery Co.
WINFIELD KANSAS

B. E. Fields & Son FREMONT, NEBR.

**Offer For
Late Fall Shipment 1908
Spring 1909**

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS.

500,000 1 year GRAPES that promise to be fine.

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar 1 and 2 years. Branched and Whips.

Catalpa (Speciosa) Catalpa

Elm, Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere.



NURSERY PRUNER NO. N

CUT IS EXACT SIZE.

No shoddy here. Sample by mail, 50c. Blade is hand forged and warranted. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California Pattern, post paid, \$1. Nursery and Florists' Propagating Knife, white handle, 50c.—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERIES CATALOGUE.

MAHER & GROSH CO., 90 A Street, TOLEDO, O.

When writing to Advertisers mention The National Nurseryman.

WE OFFER TO THE TRADE
For Spring 1908

APPLE TREES	3/4 and up
APPLE TREES	5/8 to 3/4
PIN OAKS	3 to 16 feet
RED OAKS	6 to 14 feet
CAROLINA POPLARS {	8 to 10 ft., 10 to 12 ft., 12 to 14 ft.
AMERICAN ASH	6 to 14 feet
AMERICAN JUDAS TREE	6 to 8 feet
WEeping WILLOW	6 to 14 feet
HEMLOCK SPRUCE	Fine trees from 2 to 8 feet
WHITE PINE	2 to 6 feet

Also a large stock of Deciduous Shrubs, all sizes.
VIBURNUM PLICATUM, large stock from 1 to 5 feet.
VIBURNUM TOMENTOSUM from 2 to 5 feet.

SEND FOR SURPLUS LIST.

HOOPES BRO. & THOMAS CO.

Maple Avenue Nurseries,
WEST CHESTER, PA.

HAVE you seen and examined
the quality of our water-
proof rawhide shipping tags
and tree labels? This stock is



especially adapted to
hard usage
and outside
use. "Once
used, always
used." Send
for samples
and prices.

Our refer-
ences are the largest Nursery-
men in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

Burr's Specialties
for the Coming Season

PEACH TREES --- Finest grown, many
varieties.

In Car Lots.

Berberry Thunbergii --- Mostly 18'' - 24''
grade.

Berberry Seedlings---6 to 10 inches.

Carolina Poplars---8 to 10 feet.

Spirea Van Houttei --- Hydrangea, P. G.
Syringa Com. and Weigelas, 2 to 3 ft.

WILL MAKE ATTRACTIVE PRICES
FOR EARLY ORDERS

C. R. Burr & Company

THE BURR NURSERIES
MANCHESTER, CONNECTICUT

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping
conifer is the most distinct weeping tree in existence.
Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varie-
ties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varie-
ties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS,
250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in
any quantity and in all varieties; Nectarines, Peaches,
Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS,
35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES,
25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers)
1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varie-
ties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG VISIT NURSERIES
BOBBINK & ATKINS,
NURSEYR MEN AND FLORISTS,
RUTHERFORD, N. J.

NEW NEW

RAMBLER
NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas,
Climbers, Ramblers, — THIRTY types in all. Enormous
quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

Dreer Specialties
for Spring 1908

Hardy Perennials

Japanese Anemones

Aquilegias

Hardy Asters

Delphiniums

Hardy Ornamental Grasses

Heleniums in variety

Helianthus, large assortment

Hollyhocks, heavy field plants

Japanese Iris in fine assortment

Paeonies Herbaceous and Tree

Phlox, best in the country

Pyrethrums, double and single

Rudbeckias in variety

Tritoma Pfitzeri and other

Veronicas, Etc., Etc.

Decorative Plants, Dahlias, Hardy Climbers, Roses
in five and six inch pots for immediate effect.

Water Lilies and Aquatic Plants, Etc., Etc.

Henry A. Dreer,

714 Chestnut Street,

Philadelphia

NURSERY STOCK

WALTER CHARLES SLOCOCK.

Goldsworth Nursery

WOKING SURREY, ENG.

Has the usual extensive stock of the following:

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices
can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN and
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other

AMERICAN PLANTS.

(A good stock of all hardy varieties of
Rhododendrons).

CLEMATIS and other HARDY CLIMBING
PLANTS.

Transplanted FOREST TREES.

The stock is in excellent condition.

Large quantities shipped annually.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

Azaleas

Ghent-Mollis
and Native

Rhododendrons

Hardy Hybrids
all sizes

Boxwood

Pyramidal
Standard

Rare Evergreen Trees and Shrubs

Specimen Stock

Herbaceous Perennials

OVER 1000
VARIETIES

We grow everything required for Garden, Lawn and Landscape Planting and furnish complete lists. General catalogue and trade list on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSEBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

WANTED :

A competent young man with nursery office experience. Permanent position for the right man. Give references and state experience.

GLEN SAINT MARY NURSERIES CO.

GLEN SAINT MARY, FLA.

W. FROMOW & SONS, Windlesham, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1908, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

THE Wisconsin Nurseries

MR. WHOLESALE NURSERYMAN have you us on your list?

We do an exclusive retail nursery trade and are always on the market for APPLE, PEAR, PLUM AND CHERRY. We also buy large quantities of small fruits. So, if you have a surplus in these lines you should get next at once.

W. J. MOYLE, Proprietor

The Wisconsin Nurseries
UNION GROVE, WIS.

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere.

Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

GIUSEPPE SADA

SEED MERCHANT
MILAN, ITALY

Exporter of European Forest Trees, Shrubs and Fruit Trees, Seeds.

Specialties: Black and Honey Locust, Mulberry, Myrobalans.

Sole Agents for the United States and Canada.

JACKSON & PERKINS COMPANY, :: Newark, N. Y.

Correspondence Solicited.

Catalogue and Prices Free on Application.

TAKE NOTICE

500,000 PEACH TREES FOR FALL, 1908

ALL THE LEADING VARIETIES
CAN SHIP IN CAR LOAD LOTS

APPLE, PEAR AND PLUM, one and two year old

CHERRY, one year, fine assortment

CAROLINA POPLARS, MAPLES,

ARMOR RIVER and CALIFORNIA PRIVET

GENERAL LINE OF OTHER NURSERY STOCK

WRITE FOR PRICES

COMMERCIAL NURSERY CO.

WINCHESTER, TENN.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

THE NEW HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

WOOD LABELS FOR NURSERYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

ESTABLISHED 1859

PEACH SEED

We have yet on hand several hundred bushels of choice Peach Seed, all crop of 1907, which we offer at liberal prices and terms for immediate delivery, or for spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

When writing to Advertisers mention The National Nurseryman.

R. DOUGLAS' SONS

WAUKEGAN NURSERIES

Waukegan, Illinois.

EVERGREEN SEEDLINGS
IN LARGE QUANTITIES

EVERGREENS FOREST TREES

Largest Stock in America, including
Colorado Blue Spruce and Douglas
Spruce of Colorado.

RARE — HARDY — BEAUTIFUL

A full line of Ornamental Trees and Shrubs.

Established 1848.

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch,
well branched and good roots, 10,000 Vinca Minor, (Grove
Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch,
one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

New Amsterdam Hotel

4th Avenue and 21st Street, NEW YORK



European Plan

Rooms with use of Bath \$1.00 and up. With Private Bath
\$2.00 for one \$2.50 for two and upward.

NEW BATHS and PLUMBING

Most Convenient Location in City

From 23rd Street railroad ferries or from Grand Central Station, take cars
direct to hotel; no transfers.

SPECIAL RATES MADE

When writing to Advertisers mention The National Nurseryman.

FOREST TREE SEEDS AND SEEDLINGS

We offer the following stock:

200,000 Tulip Poplars, transplanted, 1 to 7 feet.
10,000 Tulip Poplars, Seedlings, 6 in. to 4 feet.
50,000 Hamamelis Witch Hazel, 6 in. to 3 feet.
50,000 Ozier Dogwood, 1 to 5 feet.
50,000 Red Bud, 6 in. to 3 ft.
25,000 Yucca Filamentosa, 2 years.
10,000 Sweet Gum, 2 to 4 ft.
50,000 Amorphia Fruticosa, 1 year.
1 Million Black Locust, 6 to 18 in.
Large stock of other Forest Seedlings, Tree
Seeds, Etc.

At lowest prices. Send for trade list.

FOREST NURSERY AND SEED COMPANY,

R. F. D. 2, McMinnville, Tennessee

Colombe-Lenault-Huet,

NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous
Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE,

VERY GOOD PACKING.

WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and
General Nursery Stock, Roses, etc., etc.

Prices Very Low.

Packing Secured.

Catalogue Free.

Write direct to us, we have no agents.

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have
our usual supply of Cherry, One and Two Year,
that promise very fine.

While we grow Cherry in larger quantities than
any other Stock, we also have a very complete line
of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade
Trees, etc.

CAR LOAD LOTS A SPECIALTY.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch
nursery in Monticello, Florida.

H. M. SIMPSON & SONS,

Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.

ESTABLISHED 1880

Special Offers for the Fall 1908

Large stock of 2 yr. Apple in both Buds and grafts.
Peach one year largely 5-8 and up.

Early Harvest B. B. root grown plants in both one
and two year.

General line of nursery stock at lowest prices.
Send want list for special prices.

Parsons Wholesale Nurseries

E. P. BERNARDIN PARSONS, KANSAS

North Carolina Natural Peach Pits

You always have a stand of healthy seedlings when
you plant North Carolina Naturals. Orders will be booked
now and filled in order booked. Let me hear from you
with estimate of wants and I will make prices right.

REFERENCE BRADSTREET.

Address, JOHN A. YOUNG

GREENSBORO NURSERIES,
GREENSBORO, N. C.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees,
Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seed-
lings, including Catalpa Speciosa. Small Shrubs for transplanting.
Special prices quoted on Snowballs, Spirea Van Houttii, Revesii,
and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft.
Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

FOR SALE

A few thousand peach in commercial varieties. Fall 1908.

R. R. HARRIS, Harrisville, W. Va.

IN STORAGE

Cal. Privet, 2 year, 18 to 24 inches.
Cal. Privet, 2 year, 2 to 3 ft.
Cal. Privet 2 year, 3 to 4 ft.
Ampelopsis Veitchi, Hydrangea, Etc., Etc.

HIRAM T. JONES, Union Co. Nurseries,

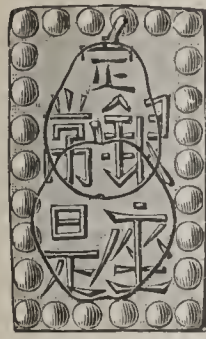
Elizabeth, N. J.

Traveller Wanted

By leading Import House handling all kinds of Foreign Nursery
and Florist's Stock—excepting Dutch Bulbs. Splendid opening
for young man (under 25) with energy, judgment, intelligence and
a fair knowledge of the business.

State age, qualifications and salary expected to "Import," care
National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



HEIKES--HUNTSVILLE--TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909,
Pears, Plums, Cherries, Peaches, Roses, and
Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other
nursery in the United States. Our stock for the coming season,
while not as large as usual, will be sufficient to enable us to make
reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early
Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess
d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and
Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock
of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both
in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These
are grown at our branch nurseries at Biloxi, Miss., where the condi-
tions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of
the favorable conditions found there for their propagation. Our
stock is large, consisting principally of Hybrid Perpetuals, Mosses,
Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by
W. H. Bell, the Superintendent of these nurseries. It does the
work perfectly and will be on exhibition at the Nurserymen's
Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

THE YOKOHAMA NURSERY CO., Ltd. 31 Barclay Street, New York

IMPORTERS OF Japanese Nursery Stock

LILIES, PEAR, CHESTNUT
AND WALNUT SEEDS, ETC.

Ask for quotations. Illustrated
General Catalogue of our Yoko-
hama House free on application.

MAIN OFFICE :

31 NAKAMURA, YOKOHAMA

BRANCH OFFICE :

CRAVEN HOUSE, LONDON

When writing to Advertisers mention The National Nurseryman.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

Apple and Peach in Car Lots

Full Assortment and varieties. See our Mr. F. N. Downer at Milwaukee Convention for interesting terms.

GREEN RIVER NURSERY,

BOWLING GREEN, KENTUCKY

R. E. ALLISON, MANAGER

HORTICULTURE IN GREAT BRITAIN AND IRELAND



TWO-PENCE

WEEKLY

A High-class Illustrated Journal dealing with every phase of Horticulture under Glass and in the Open Air.

ESTABLISHED IN 1833

PRINTED ON ART PAPER

ORCHIDS, ROSES, LANDSCAPE GARDENING, FRUIT, HARDY FLOWERS, STOVE AND GREENHOUSE, ETC. SPECIAL

REPORTS OF FLOWER SHOWS,

CONFERENCES, MEETINGS, ETC.

Illustrations of New and Beautiful Flowers, Fruits, Trees, Picturesque Gardens, Etc.

TERMS OF SUBSCRIPTION—\$3.65 Per Annum. Single Specimen Copy, 6c Postpaid

Offices : 148-149 Aldersgate Street, LONDON

FOR SEASON OF 1908-'09

Budded and Grafted Pecans

Lecont and Kieffer Pears, Hardy Oranges, Plum, Persimmon, Fig, Mulberries, etc. A full line of Ornamentals and Shade Trees.

QUANTITY AND QUALITY
CORRESPONDENCE SOLICITED

ARCADIA NURSERIES

MONTICELLO, FLA.

Victor Detriche, Nurseryman

ANGERS, FRANCE.

Grower and Exporter of
FRENCH NURSERY STOCK

A great assortment of fruit trees such as Mahaleb, Mazzard, Myrobolan, Pear, Apple, Quince, Manetti, Rose, Multiflora, Forest Trees, Ornamental Shrubs and Evergreens, Conifers and Roses.

Catalogue and prices free on application.

Write direct, I have no agent.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP 1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

Grafted Pecan Trees

THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

GROENEWEGEN & SON

ROYAL NURSERIES,

DE BILT near UTRECHT (HOLLAND).

Specialties in Ornamental Trees and Shrubs and Conifers.

Headquarters for London Planes, Tilia dasystylla. Dutch Elms in extra fine specimens. Hydrangea paniculata grandiflora. Silver variegated Maples.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry, N. H.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



KENTUCKY COFFEE TREE

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it, Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen—Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

About Fine Roses, Bargain Prices and Spring Poetry

"Gather ye rosebuds while ye may
Old Time is still a-flying
And this same flower that smiles today
Tomorrow will be dying."

—Herrick.

And eke cinch the bargains while they last
Or else ye'll find in sorrow
The offers we'll make today are not
The prices ye'll pay tomorrow.

—J. & P.

There's the RHYME, and here's the REASON: Buyers
can get better bargains out of us now, while we have a large and
unbroken stock to book orders from, than they can later, when
we've reduced our surplus and recovered our nerve.

We've never had a better stock nor a larger assortment of
Roses to offer; it includes all the leading varieties and some new
ones, budded and on own-roots; some nurserymen prefer own-
root roses; that's why we grow them. If there's another block
of own-root plants in the country, approaching ours in extent or
variety, we haven't heard of it.

Our Trial Grounds, where we test all our roses and the new
ones brought out, includes upwards of 800 distinct kinds now in
bloom. A half-day spent in it puts a fellow closer to roses and
gives him a more intimate acquaintance with them than all the
catalogs put together.

Come and see them if you can. If you can't, send a list of
what you want to buy—kinds and quantities—and we'll try to
make prices that will turn your want-list into an order. We
grow a general line of Fruits and Ornamentals, all fit for high-
class retail deliveries.

Jackson & Perkins Co.

Dispensers of "The Preferred Stock"
Grown at NEWARK, in WAYNE COUNTY
NEW YORK STATE

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

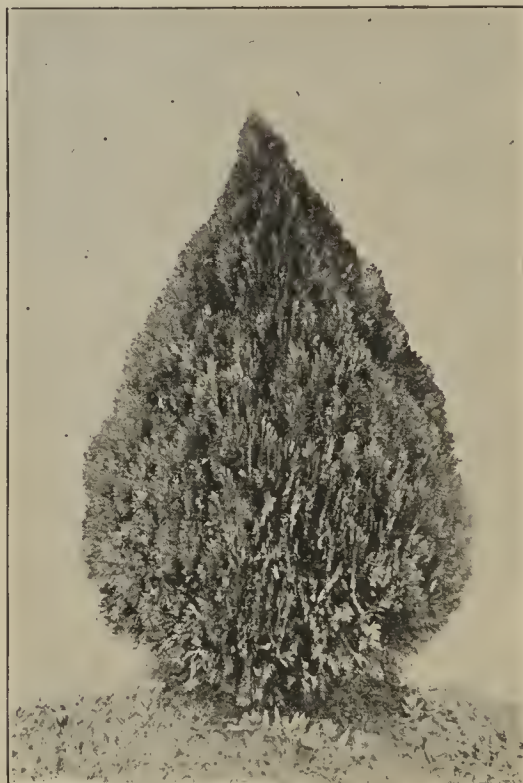
700 ACRES

When writing to Advertisers mention The National Nurseryman

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall
delivery, from 10 inches to 3 feet.



**ALTHAEA
MEEHANII**

(Hibiscus Syriacus)
(New variegated
single flowering
Althaea).

Field grown
DOROTHY

PERKINS,

CRIMSON

RAMBLER,

and **MARIE**

PAVIE Roses.

AZALEA

INDICA,

CAMELLIA,

MAGNOLIA

grfl.,

WIER'S

MAPLE,

TEAS,

MULBERRY,

TULIP

POPLARS,

all first class.

Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

Souvenir post card distributed at Milwaukee by the McFarland Publicity Service



Direct reproduction of "Autochrome" color photograph—the wonderful new process which gets all the colors of nature.

Milwaukee—After!

It was a completely successful convention, significant in numerous ways—

Significant in the expedition with which business was transacted, on and off the floor, under the pace set by President Hill—

Significant in the number of veteran members who were unable to be present, and equally so in the number of broad-shouldered young fellows brought to the front—

Significant in that, with mighty few exceptions, the members in attendance reported an unusually good season, despite the disturbances in Wall Street and their effect on financial conditions—

Significant in the abounding evidence and well-considered conviction that the nursery business of this country is yet in its infancy, and will come into its own completely with the rapidly proceeding development of the empires of the West, Southwest and Northwest.

To The McFarland Organizations, whose exhibit was admittedly the feature of the convention, the occasion was distinctly encouraging—

Encouraging by reason of the reports of satisfactory returns from their selling literature made by the scores of satisfied customers present—

Encouraging by reason of the gratifying number of new accounts opened with keen nurserymen who have investigated and found conclusive evidence that McFarland quality costs less per unit of selling power than does cheap (?) and inferior work—

Encouraging by reason of the increasing recognition of the importance of specially planned catalogues, of advertising campaigns in harmony therewith, and of liberal use of "follow-up" material, for proper attention to which the Mount Pleasant Press expanded into The McFarland Organizations.

NOW—ONCE MORE

NOW we can plan selling campaigns better than later, when the season's rush is on.

NOW we can give more individuality to catalogues and advertising than later when the photographic material is scarcer.

NOW we can produce everything that we turn out an easy 10 per cent lower than later, when artificial heat and light and over-time extra labor charges must be figured in—and this saving we give the customer whose work can be delivered by October.

Hence we repeat the coupon used last month—fill it out to tell us your needs and we will let you know what we can do for you.

Date_____1908	
<i>THE McFARLAND ORGANIZATIONS, Harrisburg, Pa.</i>	
<i>Gentlemen: We are immediately interested in</i> <i>A New Catalogue</i> <i>An Advertising Campaign</i> <i>“Follow-Up” Material</i>	}
	<i>Cross out any in which you are not interested</i>
<i>What can you do for us?</i>	
<i>Name of Firm</i> _____	
<i>Address</i> _____	
<i>Signed</i> _____	

THE McFARLAND ORGANIZATIONS

J. HORACE McFARLAND COMPANY, *Constructors of Catalogues*
THE McFARLAND PUBLICITY SERVICE, *Builders of Business*

MOUNT PLEASANT PRESS



HARRISBURG, PENNSYLVANIA

For the benefit of friends who could not get to Milwaukee, we reproduce herewith two of the souvenirs distributed by The McFarland Organizations at the convention

Scene in Kosciusko Park, Milwaukee—Souvenir Post Card



Distributed at Milwaukee by The McFarland Publicity Service

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

1857-1908

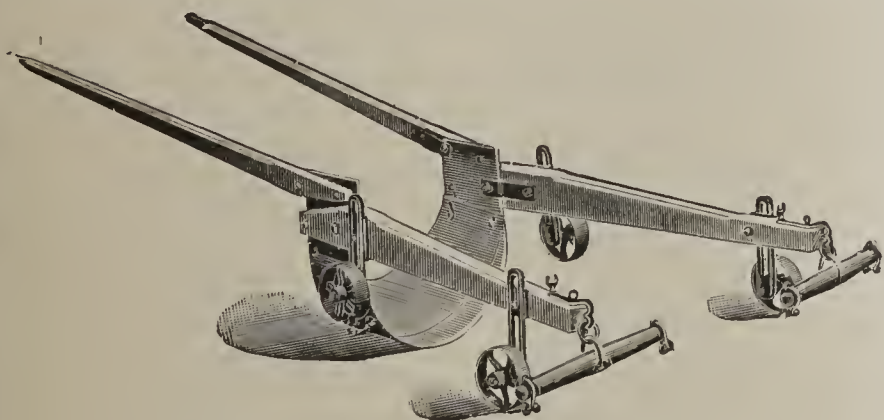
L. G. BRAGG & CO.

Growers of

No. 1 NURSERY STOCK

Also Manufacturers of

Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day, and
only needs same power as a plow.

L. G. BRAGG & CO.
KALAMAZOO, MICH.

When writing to Advertisers mention The National Nurseryman.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobalans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

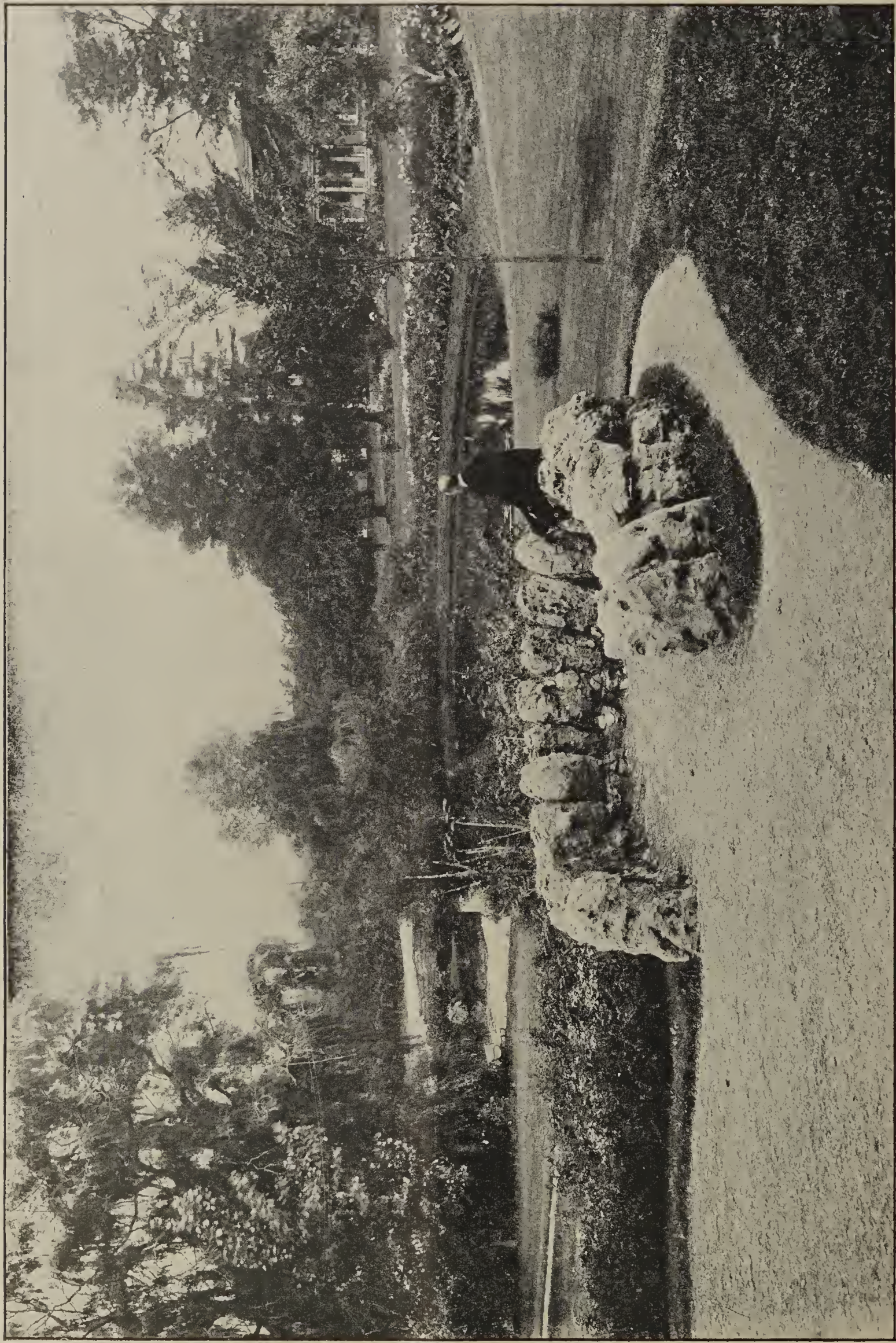
SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.



Scene in the Park Surrounding the Office of the Continental Nurseries, Brown Bros. Co., Brighton, N. Y.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., JULY, 1908

No. 7

THE CONTINENTAL NURSERIES OF ROCHESTER PROPERTY OF BROWN BROTHERS COMPANY

Rochester, New York, together with Geneva, has for many years been recognized as the greatest nursery center of the United States, and perhaps of the world. The amount of fruit tree stock, of ornamental shrubs, of park trees, of herbaceous plants, of flower seeds, and the like, grown there and distributed to all parts of the country, is almost inconceivable. There are at Rochester the old historic firms; there are the strictly recent production of late years; and then there are the firms of the middle period, conducting a steady reliable business, that makes for good incomes and the favorable reputation of the profession and the home town.

The subject of the present sketch belongs to the middle period, and is a splendid representative of that progressive era. The Brown Brothers Company is recognized by the trade as one of the great nursery firms of the present day Flower City. It is international in scope, having headquarters at Rochester and a branch at Welland, Ontario, Canada.

It was the privilege and pleasure of the writer under the pleasant guidance of the senior member of the firm, Mr. Charles J. Brown, to make the rounds of the landscape department and the nursery area on the home grounds at Rochester a short time since, and gain thereby some idea of the extent of the enterprise, and the systematic and vigorous spirit that pervades it. We are frank to say that, however necessary it is in the conduct of a large business to stick closely to the lines which are revenue yielders and to eliminate others that are not productive, we are able to congratulate this firm, which makes its work educational, and which has evidently the desire to cultivate the aesthetic as well as the purely financial.

These aesthetic and educational features are at once apparent in the lay-out of the Brown Brothers buildings and grounds. There is an apparent desire to please the eye, and educate the mind. This is seen on every hand. The spacious and striking office is approached by well executed drives, flanked by handsomely arranged and well cared for trees and shrubs. These serve the double purpose of completing the picture and demonstrating their own beauty

and adaptability. The grounds about the office are planted with a great variety of native and exotic trees and shrubs, which are all sufficiently recent in establishment to illustrate to the would-be planter the important possibilities of landscape art. A water garden stocked with aquatics and flanked with pine trees adds greatly to the interest of the grounds adjacent to the office.

THE LANDSCAPE DEPARTMENT.

For some time this company has made a specialty of designing and executing landscape plans. The material for this work is effectively displayed in the grounds contiguous to the nursery area. One of the striking features of this great border is its magnificent background of crimson ramblers. It may be stated here that Brown Brothers Company have taken a very active part in introducing this rose, which has now become the cottager's companion from the Atlantic to the Pacific. The variations of this are also being propagated in large quantity by the company, as is stated at a later point in this sketch. The grouping of green and variegated leaved plants against this background of crimson ramblers has been carried out effectively, and beautiful vistas and attractive pictures reveal themselves as one passes down the line. Although the planting and care of these extensive grounds is a considerable item of expense, yet they are maintained

for the benefit of the firm's customers, and for the pleasure they bring to the members of the firm themselves.

We have said nothing about the small fruit department which is complete and extensive, and have only mentioned the great herbaceous department, which is an important addition to the landscape gardener's materials; and in fact have only given the merest sketch of a great number of interesting features which are to be seen on the home grounds of Brown Brothers Company. It is to be remembered that these grounds, while exhibiting landscape features, are experimental in large measure; and that while there is great opportunity for the planter to study landscape effects, there is also abundant opportunity to



CHARLES J. BROWN

of Brown Bros. Co., Rochester, N.Y., President
of the American Association of Nurserymen

examine the qualities of individual ornamental plants, and note their adaptation to the climate and soil of that region. We cannot close the sketch without drawing special attention to the herbaceous planting exhibited in one section of the grounds. Flanking a central drive-way and arranged in large beds are masses of the leading perennials. Here one will find at certain times a mass of *Aquilegia*, a group of *Dicentra* and allied plants; in another place, beds



Grounds in front of the Office of Brown Bros. Co.

in which the lilies are collected; while there are still other beds in which the composites are grouped, and all with reference to their blooming period. So one may study asters and goldenrods comparatively with great ease. These beds form an irregular border to this central drive, from which vistas lead the eye into the central open space where larger trees and shrubs are planted.

OFFICE EQUIPMENT.

On entering the business headquarters the visitor is at once struck with the systematic air that is apparent everywhere. Lack of system is perhaps one of the most frequent defects noted in the management of nursery offices. No criticism of this kind can be made on the office management of this firm. The interior arrangement of the building is quite unique. The partitions do not run up to the ceiling, and there is no upstairs, although the building has two-story walls. This arrangement gives excellent ventilation and very satisfactory lighting. Convenient waiting rooms for agents and customers are provided, and visitors are guided to the various offices by active office boys. The head of the firm finds time to meet and personally interview all visitors who express an interest in any feature of this many sided business.

PACKING HOUSES.

Convenient to the office is a commodious and substantial stone packing house. The hard lines of this building are artistically masked by the use of climbing vines and advantage is taken of a specially favorable aspect for growing a fine bank of rhododendrons and other shade-loving shrubs. This mass presents a handsome appearance at blooming time. The propagating pits and houses for shrubs, conifers, and herbaceous stock are located convenient to the packing house and the central establishment.

THE HOME NURSERY GROUNDS.

The area devoted to nursery and ornamental stock on the grounds connected with the office comprise three acres. This is made up of gently rolling land of the Miami sandy loam type, a soil that is admirably adapted to the growth of trees and shrubs and to the development of fine root-systems. Among the staple crops we noted were large crops of ornamentals; hydrangeas in great quantity, the best varieties of barberries from the seed bed stage to the ready-to-be-planted shrub; spiraeas, lilacs, in great variety, climbers in quantity, large beds of herbaceous plants; and then huge blocks of carefully trained park trees, such as Norway maples, Oriental and American plane, oaks in variety, flowering trees, including crabs, cherries, and plums these all in addition to the stock of fruit trees which are of course only partly represented on the home grounds, it being the policy of this firm, as well as that of many other firms in Rochester, to grow these staple lines on the most favorable situations that are available in the vicinity of Rochester and outside the city limits.

SPECIALTIES.

As intimated above, this firm has for a number of years taken a deep interest in the propagation and dissemination of the Rambler Rose. The Baby Rambler is a somewhat recent development of a unique dwarf form of the Crimson Rambler. Brown Brothers Company early secured control of this valuable novelty, and have propagated it most extensively. Special arrangements have been made for the propagation and culture of this plant in the most rapid manner possible. To this end, an overhead irrigation plant has been introduced and operated successfully. Our photographs show some acres of Baby Ramblers under field culture. The demand for this floriferous and beautiful dwarf rose has caused the company to strain every point



View of the Residence of Charles J. Brown and Lily Pond between Office and House.

to propagate the rose in great quantity in order to supply the needs of the public.

A nursery agent named B. C. Clark has been arrested at Bath, N. Y., charged with collecting commissions from a Newark, N. Y., nursery by means of the old, old scheme of orders signed by fictitious names.

THE ANNUAL CONVENTION OF NURSERYMEN

By Wednesday, June 10, 1908, 250 prominent nurserymen from the United States and Canada had assembled in Milwaukee to attend the annual convention. As early as Tuesday afternoon the lobby of the Plankinton Hotel was crowded with those who had come to the meeting of the Association. The usual greetings and questions were heard on every side and good cheer seemed to prevail. Tuesday night was mostly given up to committee meetings and to talking business. Many took the opportunity to go sight-seeing and to drink in the glory (?) of Milwaukee.

At 10:00 o'clock Wednesday morning President J. W. Hill called the first session to order. In his opening remarks he referred to the number of members present and the fact that a great many had brought their wives. This, Pres. Hill said, was a good custom and one that ought in the future to be encouraged. Mr. Watrous was complimented for his successful efforts in bringing the Convention to Milwaukee; the members' attention was called to the fine reception accorded the nurserymen in the same city in 1902. Mayor

Rose of Milwaukee was then introduced and made a speech of welcome.

In speaking of Milwaukee the Mayor referred to the fine park system and the well-kept streets; he urged the nurserymen to give their attention especially to them. Among many other things he mentioned the fact that Milwaukee was the most orderly, most healthful and most thrifty city in the country—as proved by statistics. In behalf of the city he welcomed the American Association of Nurserymen.

The honor of responding to the Mayor's speech of welcome had fallen to the lot of Geo. S. Josselyn familiarly known as "Papa." So necessary has Papa become to the annual convention that many were heard to say that there could be no convention without him. As was expected his speech in reply to the Mayor was brimful of wit, and playful humor. Those who were not present and those who were will take delight in reading "Papa's" masterpiece.

"PAPA" JOSSELYN'S MASTERPIECE.

Mr. President, Your Honor the Mayor, and Ladies and Gentlemen:

We heartily thank you for your most cordial welcome to your magnificent city and we beg to assure you that your welcome is heartily appreciated by this the most intelligent band of visitors ever convened in your vicinity. This statement might be considered extravagant by those not intimately acquainted with us, as on scanning these rows of gentlemen in such regular order and position as would be appropriate to a vast number of well arranged bottles on a wide shelf, Your Honor will instantly perceive that "we don't look it." Our clothes seem well enough—perhaps, it's the way we wear them that gives us away.

During one of our conventions at Chicago while a small party of us were gazing at the skyscraper Masonic Building counting the number of stories (27 wasn't it Brother Yates?) and straining our necks wondering why the sparrows on top didn't become dizzy and tumble off, one of a group of bootblacks, for the information of his companions, sized up our social rating with the single word "Hayseeds." At another of our conventions your humble servant was appointed one of a committee of two to escort His Honor the Mayor to the designated hall where so many of our Members once per year have an opportunity to turn on their oratorical gas (we can stand it because we have become used to it,) at that time, my fellow committeeman said to the Mayor, "This Association has selected its two best looking members as your escort" and another member (jealous probably) was unkind enough to instantly remark, "Mr. Mayor, of course, you are already wondering how the rest of them look."

This afternoon, I believe, will be devoted to a ramble in your city and after we have viewed your splendid city

buildings, your public library, ridden through your beautiful parks and last, but not least, visited *all* your breweries our countenances, if they don't show greater intellectuality, will at least exhibit more animation.

Our homes are in rural localities. We are "tillers of the soil"; many would designate us as farmers who, as a class, have a good name and, in election seasons, are constantly referred to by all our orators of different political parties as "honest farmers." Most of us never tire of the memories of the days when we were the kids on the farm. Then we retired early and in the rosy morning scrubbed our youthful faces from the tin basin at the pump in the backyard. In those days, we always had pie for breakfast and the consumption of that pie and other luxuries was much accelerated by use of the method now known in fashionable circles as the "knife swallowing act." Now-a-days we have more style but less pie.

But the world is getting back to many old-fashioned ideas. The craze for antique furniture, china and many other old articles and methods now prevails. It is said that a large factory in Chicago is running night and day to produce for the citizens of that city a new kind of table knife. The peculiarity of this knife consists in its blade being turned up at right angles on one side. This prevents the peas from falling off.

There is considerable difference between the noise, bustle and travel on your streets and the almost continual stillness of our home neighborhoods. When we visit any large city we are in almost continual fear of being run over by the automobiles or street cars. At home, if we hear a wagon passing by, we hasten to ornament the panes of the front windows and ascertain who it is. In the large cities, we usually can't sleep at all the first night and the next one

we don't have any time to sleep. As for Fredonia one might as well walk a tread-mill and churn butter as walk down its principal street. There is "nothing doing" there.

But it's a good thing for us to visit these large cities; it broadens us in our views and enables us to gain some knowledge as to what the real styles are. On some of my returns home, to keep off the grass at the side, I proudly march down the center of our main road wearing a brand new hat with the rim turned down in front and up behind, one side of the rim depressed just a little lower than the other side of the rim—and my neighbors know I am just returning from Rochester, New York.

These meetings once a year not only afford us much pleasure but we also gain much information pertaining to our business. For instance, we often spend considerable time in study and experiment of those enemies of vegetable

and human life—insects and bugs—and the juice thereof. As we pass along your business streets we are somewhat hindered in reading the signs on the stores by the large number of handsome young women wearing Merry Widow hats, but this doesn't matter. Really, we feel about it as did the gentleman at

the races in Paris. A very prepossessing young woman to see the horses better stood up on her seat; noticing a gentleman seated behind her, she said to him, "Monsieur, I hope I don't obstruct your view." Thereupon the Frenchman gallantly responded, "Madame, I much prefer the obstruction to the view."

We try hard to have the reputation of being good citizens and some of us enjoy being considered wealthy. While recently walking on one of the streets of Buffalo I approached a wretched being who was seated on the side-walk grinding a dismal little hand-organ. Two newsboys were in my rear, one quite a large boy, the other a little bit of a chap; the big boy was evidently posting the other on various matters of the city and world. They were hurrying as fast as they could—doubtless feeling about that music as a neighbor of mine did when I asked him if he was coming over to hear me play. He replied, "No!" I said, "But I thought you were fond of music," whereupon, he responded, "I am and that's the reason I'm not coming." On the

other hand, I asked an eminent professor of music what he thought of my execution and he said he considered it an excellent idea. Well! to resume my story as the boys passed me they gave me one glance as I was in the act of throwing a small coin into the tin box of my fellow artist in machine music and the big boy said to the little boy, "that old devil is rich."

These gentlemen before you are mostly engaged in growing and selling trees and inasmuch as the commercial tourist would say "trees are out of my line" and also as tree men suffer in their minds and business from strenuous bashfulness I will speak a word for them. It will be readily seen that they all carry a small memorandum book and a stub of a pencil in the vest pocket and inasmuch as this trip is costing them considerable for railroad fare, board, etc. (etc. cost them the most) if Your Honor has really

determined to purchase a few trees most any of them will be happy to take your order.

We have one member with us who has a chronic habit of running about nights. Last year at Detroit, I invited him to attend a prayer meeting with me (Baptist, of course, on account of large water-supply). Being

a resident of a small town in New York, he innocently inquired what sort of a function or "joint" a prayer meeting was anyway. At the meeting he seated himself beside the tallest and most solemn elder in the bunch and in an undertone began relating his famous story about the Newark Pony—a story which as he tells it would make a wooden Indian grin. I hardly think Your Honor would care for the story inasmuch as it is lengthy and in some respects is not a very good story and in some *other* respects not so *very* bad—to borrow an idea from Dickens, the horse "is such a little one." When the hour arrived for the passing of the hat this was the only portion of the programme with which my friend was familiar. As a collector, he has no living equal and he undertook to take charge of that part of the service. But the congregation on looking him over unwisely decided not to allow him to handle the money. He was just alive when I got him out.

When we arrive at our homes, it will be a great satisfaction to us to reflect on our pleasant trip and sojourn in



How the American Association of Nurserymen Appeared at the time of the Annual Convention.

Milwaukee. We hope, at least after the fishing season is over, to be diligent in our business and in our own way to serve the Lord. We shall faithfully continue to believe and promulgate that well-known saying,—“The Nurseryman who sells two trees and only one lives, that man is a public benefactor.”

President Hill characterized “Papa” as the producer of No. 1 grape vines, an enthusiastic fisherman, a teller of stories and an after dinner speaker. “Papa’s” witty speech proved the justice of at least two of the points.

President’s Address.

The annual address of the President touched upon all points of the work of the Association. The death of Messrs. Pratt and Albaugh was touched upon and a resumé of the valuable services of these prominent men given. The effects of the recent panic upon prices, the trade for the year, and prospects for the future were considered. President Hill denounced very strongly the selling of left-over stock at extremely low prices. His remarks upon the subject called forth the applause of the assembly. The subject of a National Inspection Law was next treated and the inauguration of a movement to procure such a law recommended.

Further recommendations of the President were for the establishment of an emergency fund for the committee on transportation, said fund to be used by the committee in cases requiring prompt action; the commencing of test cases in regard to inspection laws in Wyoming, Oklahoma and Wisconsin. In treating the subject of advertising, President Hill advised the members to select a good medium to publish a good, truthful advertisement and to treat every customer fairly and honestly. In this connection the value of exhibits at the annual convention was emphasized.

The subject of Insurance was discussed and the impossibility of obtaining insurance from established insurance companies noted. Owing to the differing laws in the various states and to the difficulty of determining the contents of the nursery cellar at any one time, it has been found impossible to establish any basis for regular insurance. In speaking of forest preservation, the President referred to nurserymen as forest builders. He urged that a Forestry committee be appointed. The work of the Entertainment committee of which Ferguson was chairman was mentioned and complimented.

Secretary’s and Treasurer’s Reports.

Both reports were referred to an auditing committee composed of Messrs. Henry, Ilgenfritz and Younger. The committee recommended that the reports be accepted.

SECRETARY’S REPORT.

June 5th, 1907, to June 6th, 1908.

RECEIPTS.

Membership fees	\$2,070.00
Advertising in Badge Book	771.30
Extra badges and books	19.00
Extra copies of reports	15.90
Codes	1.25
Exchange	6.15
	<hr/>
	\$2,883.60

DISBURSEMENTS.

July 2, 1907, check to C. L. Yates, Treasurer	\$ 275.00
May 2, 1908, “ “ “	1,000.00
June 1, 1908, “ “ “	1,500.00
June 6, 1908, “ “ “	85.90
Exchange	22.70

\$2,883.60

GEO. C. SEAGER, Secretary.

RECORD OF RECEIPTS FOR TEN YEARS.

1899	\$1,164.97
1900	1,262.95
1901	1,345.81
1902	1,459.00
1903	1,449.95
1904	1,563.50
1905	1,721.37
1906	2,014.29
1907	2,867.80
1908	2,883.60

TREASURER’S REPORT.

June 8th, 1907—June 10th, 1908.

1907		RECEIPTS	
June 8	Cash on hand	\$3,317.33	
29	Interest	15.33	
July 2	Geo. C. Seager	275.00	
Dec. 31	Interest	28.99	
1908			
May 4	Geo. C. Seager	1,000.00	
June 2	Geo. C. Seager	1,500.00	
6	Geo. C. Seager	85.90	
		<hr/>	\$6,222.55

1907		DISBURSEMENTS	
June 14	Des Moines Nursery Co.	\$ 13.08	
	E. Albertson, 6mo. salary	600.00	
	E. Albertson traveling expenses, etc.	60.48	
	Wm. B. Burford, printing	23.35	
	Union & Adv. Co., Badgebooks, etc.	337.53	
	Whitehead, Hoag & Co., Badges ..	15.00	
	Geo. C. Seager, Salary and Postage ..	510.05	
	C. L. Yates, Salary and Postage ...	50.48	
	Wm. B. Burford, printing	19.50	
	Hotel Cadillac, rent for Exhibit Hall ..	50.00	
	J. H. Hoffner, Stereopticon	10.00	
	Professor John Craig, lantern and slides	15.00	
15	Postage, Stationery and etc., Pro. Comm.	38.50	
Aug. 11	Miss E. Jacobson, reporting convention	73.10	
23	Thos. B. Meehan, Committee Expense	19.95	
	J. G. Harrison & Sons, Stamps etc.	11.16	
Nov. 2	Union & Adv., report, postage, etc.	271.75	
16	Union & Adv., pp. express and stamped envelopes	10.33	
1908			
Jan. 10	M. E. Wolff Co., Bond for treasurer ..	18.75	
Feb. 6	C. L. Watrous, R. R. fare and expense to Chicago	24.00	
	Orlando Harrison, expense to Chicago	65.79	
Mar. 27	John Craig, Horticultural Meeting, Chicago	43.20	
	E. S. Welch, paid to him by H. M. Hawley	25.00	
	H. C. Irish, treas., Botanical G. St. L.	200.00	

Apr. 28	McGuire & Wood, Legal Fees	561.20	
May 14	Union & Adv. Co., 2500 Folders . .	25.00	
	Union & Adv. Co., Env. etc	49.88	
23	Flue & Fettrolf, printing and form letters	8.50	
June 1	J. W. Hill, letterheads, env., etc . .	58.70	
2	Geo. W. Sheldon & Co.	100.00	
		<hr/>	
		\$3,309.28	\$6,222.55
	Cash to Balance	2,913.27	
		<hr/>	
		\$6,222.55	\$6,222.55

All of which is respectfully submitted,

C. L. YATES, Treasurer.

Reports of Committees.

The Committee on Transportation reported that there was no action to be recommended at that time but that the committee would submit some important matters to the next session of Congress. Wm. Pitkin, Chairman of the Committee on Legislation stated that a test case had been made of the inspection law in South Dakota and that the decision had been favorable to the Nurseryman. He recommended that test cases be made of the laws in Wisconsin, Oklahoma and Wyoming. At this point in the proceedings a committee composed of Messrs. Dayton, Murray and Stark was appointed to act upon the President's report.

The Entomologists reported that in their opinion the best way to secure uniform inspection was to request Congress to order the Commissioner of Agriculture to issue uniform certificates of inspection and that all state inspectors be requested to accept the Government's certificates. Two bills to this effect were to be prepared and sent to Congress. With this report as an introduction, the Report of Orlando Harrison, Chairman of the Committee on National Inspection was read. Mr. Harrison made plain the difficulty of obtaining uniform inspection because of varying and unequal state laws. There is no way of obtaining a national law until all state laws are repealed. This is practically impossible.

Mr. Harrison recommended that the matter of uniform national inspection be dropped and that attention be given to the inspection of imported stock. Nurserymen favor a national law but realize that it is impossible to obtain such a law. C. L. Watrous and Kirkpatrick seconded Mr. Harrison's recommendation to drop the subject. Prof. Symonds of Maryland, drew a distinction between importations and inter-state shipments. Speaking of the inspection of foreign importations he gave as his opinion that the place for inspection should be the point to which the stock was consigned and not the port of entry. Prof. Burgess reviewed the number of years given to agitation of the question and advised the tabling of the question for the present.

J. W. Irvine, chairman of Publicity Committee, reviewed the work of the committee for the past year. Items of interest had been sent out to all journals dealing with Horticulture. At the afternoon session, Thomas B. Meehan, made clear the value of exhibits by stating cases in which benefit had been received. The Transportation Committee through its chairman, F. H. Stannard, reported nothing of importance. The railroads, because of the

recent agitation against them are on the defensive. Peter Youngers of the committee of Mutual Fire Insurance stated the same ideas as were expressed by the president in his annual address. He gave a few concrete examples of the obstacles encountered in arranging for a system of insurance. Arkansas and Indiana require \$100,000.00 cash assets and Minnesota, \$200,000.00.

The Report of The Vice-Presidents.

In accordance with the report of the vice-presidents, the following representatives from the various states were elected:

Alabama, James Fraser.	Montana, C. F. Dallman.
Arkansas W. B. Vincenheller.	Missouri, W. P. Stark.
Colorado, Geo. B. Fravert.	Nebraska, H. S. Harrison.
California, F. W. Powers.	New Hampshire, J. C. Chase.
Connecticut, C. R. Burr.	New Jersey, C. A. Bennett.
Delaware, D. S. Collins.	New York, Wm. Pitkin.
Florida, G. L. Tabor.	North Carolina, Van Lindley.
Georgia, L. A. Berckman.	Ohio, J. W. McNary.
Illinois, David Hill.	Oregon, J. B. Pilkington.
Iowa, E. S. Welch.	Oklahoma, J. A. Lopeman.
Indiana, H. M. Simpson.	Pennsylvania, T. B. Meehan.
Kansas, G. L. Holsinger.	South Dakota, Geo. Whiting.
Kentucky, J. F. Donaldson.	North Dakota, J. W. Maher.
Louisiana, A. K. Clingman,	Tennessee, J. C. Hale.
Maryland, Reese C. Peters.	Texas, J. B. Baker.
Massachusetts, W. H. Wyman.	Utah, P. A. Dix.
Michigan, C. A. Ilgenfritz.	Virginia, C. D. Wenger.
Minnesota, O. F. Brand.	West Virginia, B. T. Southerd.
Mississippi, S. W. Crode.	Wisconsin, M. F. Foley.

It was recommended that Seattle, Wash., be chosen for the convention city for 1909. A motion to this effect was made and seconded. Wm. Pitkin of Rochester amended the motion to read, "Rochester, N. Y.," instead of Seattle, Wash. At this point one of the liveliest parts of the meeting was reached. W. H. Wyman in speaking for the motion described the great and glowing West and asserted that it would well repay anyone to visit that section. Geo. Whiting of South Dakota spoke in the same strain and claimed that the holding of the convention in the far West would result in more members from that section. J. W. Irvine stated that it was an education to drive through the tremendous orchards and to learn of the wonderful business methods and manner of cultivation. At this point in the discussion, D. W. Moss, Immigration Agent for the Great Northern put in a word for the West. Two things in his estimation made the trip well worth consideration; the wonderful scenery en route and the hearty welcome that would be accorded the nurserymen in Seattle. Some of his statements were amusing, as for example, "Why, out West you can plant an umbrella and in 15 minutes it will grow up into a rosebush." "There are 3,225 more colors in Yellowstone Park than there are in the rainbow," "The people of Seattle live in such a wonderful country that they hate to think of going to Heaven. J. B. Pilkington of Oregon, made the same general points as made by the others and urged the convention to vote for Seattle.

The arguments of the Westerners proved unavailing, however, for in a close vote Rochester, N. Y., was chosen as the next city in which the convention will be held. There was an attempt on the part of W. H. Wyman to change the date from the second Wednesday in June to the third Wednesday. The motion, however, was lost.

Election of Officers.

Charles K. Brown of Brown Bros., Rochester, N. Y., was elected president; C. M. Hobbs, vice-president; Geo. C. Seager, secretary; C. L. Yates, treasurer. The Executive Committee for the coming year is composed of Messrs. Dayton, Sherman, and Chase.

Papers and Addresses.

A short paper upon "Is it Good Policy on the Part of the Nurserymen to Send out Cheap Lists at the End of the Season," was read by J. M. Pitkin, Newark, N. Y. Mr. Pitkin gave as his opinion that this was bad practice inasmuch as the list, though issued at the end of the season was out for months. In this way it interfered with the first class business and often helped establish a bad precedent.

Judge Eugene W. Stark delivered an interesting and thoughtful address upon improvements, giving a great many practical suggestions for nurserymen to take advantage of in their business. He dwelt particularly upon the encouragement of inventions and cited the case of Mr. Reed, his foreman, and his invention of the tree stripper and graft wrapper. A copy of Mr. Stark's address will appear in a later number of the NATIONAL NURSERYMAN.

At this point in the meeting, F. W. Kelsey of New York offered the following resolution:

F. W. Kelsey's Resolution.

Resolved: That the vice-presidents of every state be and are hereby authorized on behalf of this Association to use all reasonable endeavor to have any drastic legislation now in force in their respective states modified to conform to the laws of other states, the practical workings of which have not entailed undue hardship to the nurserymen or fruit-growers in their execution.

Resolved: That we heartily express our appreciation of the efforts made by the Economic Entomologists and Horticulture Inspectors of the country in their cooperation toward improving the insect pest legislation.

Mr. Kelsey's resolution was adopted and the report of the committee on the President's address was next considered. The committee approved of all the suggestions made by the president and especially recommended that the secretary alone edit the annual report. The convention favored the suggestions made by the committee and accepted their report.

Session of Thursday, June 31, 1908.

The first address of the morning was delivered by H. D. Simpson of Vincennes, Ind., upon "The Pecan." Mr. Simpson stated that good trees did not always propagate good varieties and recourse to budding and grafting was necessary. In the speaker's opinion a long root, about 20 inches in length, was best for trees to be transplanted. The pecan, he felt sure, will soon be successfully raised in the North. After the address, Mr. Kirkpatrick of Texas, took up the point of the length of roots needed for transplanting and stated that in his experience any length of root from one inch to 20 inches will do. C. J. Maloy, of Rochester, made a report for the committee on Press Service. He outlined the work of the committee and explained the system of press service instituted for awakening popular interest in Horticulture. Mr. C. S. Watrous made the point that a committee should be appointed to supervise the articles sent out by the one in charge of the press service. A committee of three was therefore appointed to take charge of the nurserymen's part of the fund for press service.

John S. Kerr of Sherman, Texas, read an instructive paper upon "The Great Southwest." He reviewed the natural resources of the section and the progress made during the last decade. J. B. Pilkington of Oregon, followed with a short and concise paper upon "Elements of Success in the Nursery Business." There are three essential elements to the nursery business, said Mr. Pilkington, growing, shipping and collecting. Growing and shipping should count 60 per cent, and collecting 40 per cent. At this point a paper upon "Peach Yellows" prepared by Prof. Wormer of Georgia was read by Prof. Phillips. Considerable discussion followed the reading of the paper.



C. M. HOBBS
Vice-President

The committee on resolutions for deceased members submitted resolutions upon Messrs. Pratt and Albaugh. These resolutions were adopted and ordered printed in the account of the proceedings. Three resolutions, one upon Federal Inspection by J. C. Hale, Tennessee, and two upon Quick Transportation and Parcel Post by F. W. Kelsey of New York were then passed.

Prof. L. R. Taft of Michigan Agricultural College read a paper upon "Spraying Nursery Stock." This paper was closely followed by all present and numerous questions were asked. The Publicity committee was voted \$200.00 to carry on its work.

The next speaker J. Horace McFarland delivered an interesting address which was enthusiastically received by the members. Nurserymen, he argued, should lead in planting and he suggested that the nursery be made a park. In the consummation of such a plan he urged that attention be paid to the street on which the property might be located so as to bring about a model street for neighbors to pattern after. Next in order the nurseryman should concern him-

self with his own town by working for a system of well laid out parks, playgrounds, and breathing spots.

A great mistake, in his opinion, is made by cities paving the entire width of streets. He prefers that only enough be paved, about thirty feet width, to accommodate traffic. The remainder should be parked and public buildings should hold first place in civic centers. "Back yard conditions in front yards," should not be permitted. This applies particularly to railroad entrances into cities. Ugliness should be fought on every hand by nurserymen with the same energy as was spent on fighting the San Jose scale, a remark which brought down the house. He also expressed the hope that the day would soon arrive when it was recognized that no one had any more right to spread smoke over his neighbor than he has of spreading ashes. The billboard he characterized as a parasite on legitimate advertising. He summed up his remarks by saying that the nurseryman must not be a good citizen only, but an aggressively good citizen.

THE TRIP TO OCONOMOWOC

The Oconomowoc trip was one of the pleasant features of the Convention. It was made on Friday. The excursion was in charge of "Conductor" Ferguson of the Hawks Nursery Co. Three "spiral" cars, containing about 200 members of the association, left the Interurban Station of the Milwaukee Traction Co., at nine o'clock. The route was out through the city, West Allis, National Soldiers' Home and Wawan. The first stop was at the famous Waukesha Spring and it would have done good to the heart of a Prohibitionist to see how the resources of that spring were taxed for about two months. Even the delegates from St. Louis were there, but no one can say positively that they saw them drink the water.

About an hour was spent at the Pabst Stock farm, where several "Blue Ribbon" prize-winning horses were put through their paces. A coal-black Hackney pony was particularly admired. No stop was made after leaving the stock farm until Oconomowoc was reached. There the delegates were met by the Oconomowoc Business Men's League, divided into several parties and conducted to the various hotels where dinner was served. The arrangements were particularly well carried out so that all confusion was avoided. After lunch, the excursionists were driven through the town and around the lake in carriages, giving them an opportunity to see the beautifully laid out grounds of a number of wealthy residents of the town. The return trip was made leaving Oconomowoc late in the afternoon and reaching Milwaukee about 7:30 in the evening.

REMOVAL OF OFFICE OF THE NATIONAL NURSERYMAN.

The offices of the NATIONAL NURSERYMAN and Mr. C. L. Yates have been removed from 205 Cox Building to 217, 218 Livingstone Building, Exchange St. The new offices are situated in the heart of the business section at the "Four Corners" near the Powers Hotel. The rooms are well appointed and comfortable.

All nurserymen who visit Rochester are invited to call and make themselves at home.

EUGENE W. STARK AND THE TRADE JOURNALS.]

In his address delivered before the convention, Judge Stark had the following to say in regard to the Trade Journals of the Nurserymen:

"By giving the Trade Journals and Horticultural Papers our hearty support, by which support I mean not only as subscribers and advertisers, but more especially by contributing articles from time to time, treating topics on which we are qualified by experience to speak. Depend upon it the editors and managers of these Journals will welcome such contributions and will always be glad to publish them."

The NURSERYMAN, as the official organ of the American Association stands ready not only to publish association news but also items and articles of timely interest. Every nurseryman is asked to feel assured that the columns of the NATIONAL NURSERYMAN are at his disposal. Do not feel that we only desire your advertisement or subscription.

OUR PURPOSE.

The NATIONAL NURSERYMAN is the journal representing the nursery interests of the country; we desire to get into closer touch with all persons anyway engaged in or connected with the nursery business. To aid us in this endeavor, will you kindly give careful consideration to the following suggestions?

Send all news items concerning yourself or facts concerning your business to the editor's office at Ithaca, N. Y.

Ask for an article on any subject about which you are interested and state who, in your opinion, is best fitted to write this article.

Write any articles or short paragraphs about any phase of your business or success in growing, selling, shipping, etc. We will publish these.

Feel at perfect liberty to use the columns of the NURSERYMAN for any and all items that concern Nurserymen in general.

If you are a **Real Live Nurseryman** you will want: (1) To get in touch with your fellow nurserymen; (2) To keep posted on all new movements in the business; (3) To get information from others on matters that concern you vitally; (4) To let others know of your success in any or all branches of your business; (5) To make the NATIONAL NURSERYMAN your means of communicating to the trade at large.

Therefore: Ask for any article on any subject in which you are interested. See that your section of the country is well represented in news in every issue of the NATIONAL NURSERYMAN. Make the NATIONAL NURSERYMAN your means of communication to the trade at large.

THE DODGE COUNTY (MINN.) NURSERY.

A remarkable instance of what can be accomplished by honest industry and careful management is afforded by the nursery of W. E. Fryer, Mantorville, Minn. Mr. Fryer made a start without money and by taking advantage of every possible opportunity has developed a fine nursery trade and built himself a beautiful and comfortable home. The nursery business may have its trials and vexations but Mr. Fryer has shown that it can be made to yield the best of everything.

NATIONAL PROTECTIVE ASSOCIATION.

The officers elected were the same as those that held office during the past year with the exception that J. W. Hill took the place of Theo. Smith and W. F. Heikes was made first Vice-President. The same executive committee holds office this year as last.

The Consolidation.

Never before in the history of the American Association of Nurserymen has there been such unanimity—everyone is to see what can be done for the best interest of the Association. The consolidation of the two Protective Associations will result in both a cash saving to its members and a stronger protection in the making of savings on a larger number of firms—about one half of the members of the American Association belonged to the Mutual. It was unanimously decided to combine and it was unanimous on the part of the Mutual to accept.

ORLAND HARRISON.

WESTERN ASSOCIATION OF NURSERYMEN.

The Semi-Annual Meeting of the Western Association of Nurserymen, will be held at the Coates House, Kansas City, Mo., Wednesday and Thursday, July 8 and 9.

The program is as follows:

Call to order 11 A.M., Wednesday, July 8.

Reading of minutes and correspondence.

Introductory by President Bernardin.

"Can Commercial Fertilizers be Used Profitably in Our Western Nurseries?"—GEO. H. JOHNSON.

"Would a National Inspection Law be a Benefit to the Wholesale Nurseryman?"—W. P. STARK.

"Budding from Scions of Previous Season's Growth Held in Cold Storage. Can it be done Successfully?"—HERBERT CHASE.

"Aphis Resistant Stocks."—D. S. LAKE.

"Should Shipments of Nursery Stock be Packed Wet or Dry to Escape Damage from Freezing?"—E. S. WELCH.

RESOLVED, "That the Mistakes of Nurserymen are a Benefit to the Man who Makes them Good for the Trade in General." Affirmative, J. A. LOPEMAN. Negative, PETER YOUNGERS.

"What I Learned at the Milwaukee Meeting that is of Interest to the Western Association.—E. M. SHERMAN.

"Effect of the Long, Rainy Season on Nursery Stock.—R. J. BAGBY.

"Scarcity of Apple and Cherry."—A. WILLIS.

"Can We Decrease the Labor Cost Doing More With Horses and Improved Tools and Less With Hand Labor?"—G. A. MARSHALL.

"Does the Tariff Sufficiently Protect the American Nurseryman?"—E. MONCRIEF.

"Are the Laws for the Destruction of Insect Enemies Meeting or Likely to Meet the Hoped for Results?"—F. H. STANNARD.

"The Seedling Outlook."—A. L. BROOKE.

"Changes in Constitution and By-Laws.—J. W. HILL.

Reports of Committee on Grades, Transportation, Program, Etc.

THE STRAWBERRY PLANT MAN.

W. W. Thomas, the Strawberry Plant Man, from Anna, Ill., was in attendance at the convention. For a number of years past Mr. Thomas has been filling strawberry plant orders for nurserymen. Most of these send him their shipping instructions and tags and he ships direct to their customers. Mr. Thomas guarantees in all cases that he will not use the names sent him by nurserymen to his own advantage.

IMPORTANT NOTICE.

OUDENBOSCH, HOLLAND, June 1st., 1908.

EDITOR NATIONAL NURSERYMAN:

In consequence of an amiable agreement dissolving the partnership hitherto in existence between us, our Mr. Goossens, has this day retired from the Nurseries which we managed jointly under the firm of Goossens & Hellemons, (C. Eschweiler). Nevertheless, the old business will continue and be carried on without retrenchment of the pecuniary resources, under the exclusive management of Mr. Hellemons, under the firm name of L. J. Hellemons, who henceforward will be the sole proprietor of the house, and to whom the liquidation has been entrusted.

Thankfully acknowledging the countenance with which you have favored our old house up to this time, we request you to transfer it to the new establishment, and remain,

Your obedient servants,

GOOSSENS & HELLEMONS.

LIST OF EXHIBITORS AT THE ANNUAL CONVENTION.

Addressograph Co.	Burlington Basket Co.
American Fruits.	Chase Nursery Co.
Alabama Nursery Co.	L. F. Dintelmann.
American Multigraph Co.	Chas. Dunbar.
Benj. Chase Co.	Ellwanger & Barry.
Dayton Fruit Tree-Label Co.	Evergreen Nursery Co.
Fruit Grower Co.	Al. K. Feigly.
Paul C. Krober Co.	W. A. Harding & Co.
J. Horace McFarland Co.	J. G. Harrison & Sons.
National Fruit Grower.	D. Hill.
National Nurseryman.	I. E. Ilgenfritz Co.
Ohio Nursery & Supply Co.	Jackson & Perkins.
Perfection Co.	McHutchinson Co.
Rochester Lithographic Co.	Thomas Meehan & Son.
Texas Nursery Co.	National Guano Co.]
Vredenburg Co.	Niagara Sprayer Co.
Webster & Allee.	B. G. Pratt.
Lightning Automatic Card Printing Press.	Predmore Bros.
American Horticultural Distributing Co.	Perine & Sons.
E. C. Brown Co.	H. S. Reed & W. H. Bell.
P. J. Berckmans Co.	Stark Bros. Nursery & Orchard Co.
	Ward-Dickey Steel Co.
	E. S. Welch.

Catalogues may now be sent through Australian ports by mail, free of duty.

The National Nurseryman

Published monthly by
THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., JULY, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Executive Committee—J. H. Dayton, Painesville, Ohio; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.

Transportation—F. H. Stannard, Ottawa, Kansas.

Tariff—Irving Rouse, Rochester, N. Y.

Legislation—Wm. Pitkin, Rochester, N. Y.

National Inspection Law—Hon. Orlando Harrison, Berlin, Md.

Co-operation with Entomologists—C. L. Watrous, Des Moines, Ia.

Program—R. C. Berckmans, Augusta, Ga.

Publicity—J. M. Irvine, St. Joseph, Mo.

Exhibits—Thomas B. Meehan, Dreshertown, Montg. Co., Pa.

Editing Report—Geo. C. Seager, Rochester, N. Y.

Mutual Fire Insurance—Peter Youngers, Geneva, Nebr.; Judge Eugene Stark, Louisiana, Mo.; Harry Simpson, Vincennes, Ind.

STATE AND DISTRICT ASSOCIATION

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.

American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.

Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.

Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.

Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.

Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.

National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.

Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.

National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.

Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.

Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.

Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.

Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.

Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.

Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

NEW VARIETIES.

The problem of what to select from the many new kinds of fruits appearing and being pressed upon the public by ardent and enthusiastic plantsmen is very difficult of solution. The planter as well as the propagator is continually attracted to that which is new and novel. The very fact that its ultimate behavior is a conundrum, that it is in the speculative stage, adds zest and interest to the thing itself. The very human desire of wanting to know, desiring to find out, searching for something different, impels the introduction and the planting of many varieties which are in no wise improvements over the old, and in many cases poor imitations.

The real question is in what terms should we pass upon the new-comer and aspirant for public favor. We are of the opinion that the merits of these new varieties should usually be studied in terms of local adaptation. As time goes on the finer adaptations of fruits and flowering plants will be studied with more care than at present. Questions of soil, climate, and other environmental conditions will receive closer study. Because a variety succeeds, or is reported to be doing well, five hundred miles from one's home is no guarantee that it will behave equally well when transplanted to our surroundings. But on the other hand, the nurseryman finds little profit in propagating and introducing a variety merely for local planting, and if this principle were carried to its entirety the stimulus for the production of new kinds would be greatly curbed. As a fad this is interesting but not profitable. In our opinion the widespread planting of certain popular varieties has not advanced the interests of the fruit growers the country over. It is a question whether the furore which attended the introduction of the Kieffer pear, and resulted in the planting of thousands of acres over a widespread territory has benefited the propagator of fruit trees, and the grower of fruits to any extent. Reactions set in and interest is diverted from fruit growing by reason of partial or total failure of these widely advertised and much lauded varieties. It is safe to say, then, that more conservatism should be exercised and less of the speculative spirit, in the introduction of new varieties.

NATIONAL INSPECTION.

This question which, for twelve years, has annually been brought to the attention of nurserymen has at last been laid at rest. When account is taken of the obstacles in the way of uniform national inspection there can be no doubt of the wisdom of the move. How a national law can be enforced when the states' laws directly contradict its provisions is a problem not to be solved by one decisive step on the part of nurserymen. It seems the part of wisdom to wait for a favorable opportunity to strike. The forces that must be combatted in bringing about the repeal of obnoxious state laws are many and formidable; it is well to make a study of them before advancing against them. Meanwhile, let the attention of nurserymen be turned to the inspection of imported stock; this is a matter that can be settled by united effort.

INVENTIONS.

There are a few inventive men engaged in the nursery business who are giving their attention to producing machines that will lighten the nurseryman's labors and will assure him more success in the conduct of his business. Many will remember the stir made by the Reed Tree Stripper last year and the Reed-Bell Graft Wrapping Machine this year. It is claimed, and is undoubtedly true, that a firm, unyielding wrapping of a graft for the entire length of the splice will greatly reduce, if not do away with entirely, the *hard* "crown gall" or callous knot. Mr. Reed deserves great praise for his efforts to rid nurserymen of one of the most bothersome of their "growing troubles."

**ADDRESSES
DELIVERED
AT THE
CONVENTION.**

We regret that our limited space prevents the publication of all the addresses made at the recent Convention. It is our purpose, however, in the next few issues to publish as many of these as possible in each issue. Those members of the National Association who had the honor of preparing speeches will confer a great favor upon us by sending us a copy of the speech as made,—if they have not already done so.

FRUIT AND PLANT NOTES.**MAGNATE APPLE.**

(SYNONYMS: *Magnet* of some; *Stayman's Superior*; *Stayman's No. 1* of some; *Stayman's No. 2* of some.)

This promising early winter variety is a seedling of Wine-sap which originated with the late Dr. J. Stayman, at Leavenworth, Kans., in 1866. After the original tree came into bearing it appears to have been considerably disseminated by the originator, in the form of scions for testing, from about 1884 until his death in 1903. While a number of descriptions and outlines of the variety made by Doctor Stayman are preserved in the extensive collection of such material bequeathed by him to the Department of Agriculture, it is apparently impossible at this time to determine under what designation the variety was first disseminated.

It appears to have reached Mr. J. W. Kerr, Denton, Md., in the winter of 1884-85 under the designation "Stayman's No. 1" with others of Doctor Stayman's seedlings in the form of scions from J. Silvanus Gordon, of Sergeantsville, N. J. Mr. Gordon had received the scions from Doctor Stayman a short time before. About 1887 it reached the nursery of the Michigan Agricultural College, apparently direct from Doctor Stayman, under the same designation. In 1890, Mr. Benjamin Buckman, of Farmingdale, Ill., received scions of it from the Michigan Agricultural College orchard labeled "Stayman's No. 1," and in 1893 under the designation "Stayman's Superior" he received scions direct from Doctor Stayman. Having fruited both and finding them identical, in 1901 he sent specimens of the fruit to Doctor Stayman for authentication of name, and received from him a strong expression of his conviction that the apple sent was in fact his "Stayman's No. 2." The original tree is reported by Mr. George H. Black, its present owner to be living still, though it was almost destroyed by a severe windstorm in September, 1905. Messrs. Stayman

and Black propagated a considerable number of trees of it for their own planting in the winter of 1897-98 at Leavenworth, Kans., where some seventy trees about 6 years old are now in bearing.

The earliest publication of the variety appears to have been by Prof. L. H. Bailey in 1887, when, as "Stayman's No. 1," it was included with several others of Doctor Stayman's seedlings in a list of varieties growing at the Michigan Agricultural College. In 1896 Mr. Benjamin Buckman published the names "Stayman's Superior" and "No. 1 Stayman's" in his "List of Fruit Varieties," their identity not having been discovered at that time. The first commercial introduction of the variety appears to have been by Mr. J. W. Kerr, who catalogued it for the fall of 1898 and spring of 1899 as "Stayman's No. 1."

It is evident from Doctor Stayman's notes and correspondence that at different times he had different names for the variety under consideration such as "Red Sap," "Stayman's Superior," "Magnet," and "Magnate," and it appears strongly probable that scions were distributed by him for testing under all these names, as well as under the designations "No. 1" and "No. 2." His final choice appears to have been "Magnet," but conflict of this with a previously published variety of Wisconsin origin causes the present adoption of his previously unpublished name "Magnate," under which it was planted in nursery and orchard by Messrs. Stayman and Black. The Magnet apple listed in Bulletin 56 of the Bureau of Plant Industry is the Wisconsin variety, and the publication of "Stayman Superior" as synonymous with it in the revised edition of that bulletin appears to have been due to a misapprehension as to its identity.

DESCRIPTION. Form round to roundish conical; size medium to large; surface smooth, but gently undulating and glossy; color rich yellow, washed with crimson over almost the entire surface and indistinctly striped with dark purple and covered with whitish bloom; dots variable in size, numerous, yellow or red; cavity regular, large, deep furrowed and but faintly russeted; stem slender, curved, short, rarely extending beyond the cavity; basin regular, of medium size and depth, and gradual slope, furrowed, and showing traces of bloom; eye medium, closed; calyx segments of medium size, converging, tube rather long and narrow; skin moderately thick, tenacious; flesh yellowish, stained with red, fine-grained, half tender, juicy; core small, conical, closed, clasping; seeds of medium size, plump, brown, numerous; flavor rich subacid; quality very good. Season, September to December in eastern Kansas, about the same as Jonathan.

The tree is reported to be an upright open grower, loaded with wiry shoots, and requiring little pruning. The variety appears to be especially promising for the middle and northern portions of the region where its parent, the Wine-sap, succeeds.

"I like your paper very much and think it one of the best of its kind."

W. E. FRYER,
Minnesota.

EDITORIAL WANDERINGS. ALGIERS, GENOA AND NORTH ITALY.

Leaving Gibraltar in the afternoon of Monday the natural thing is to ask how soon Algiers will be sighted. The passage between these two points was pleasant although there was still enough roll to make it interesting for the susceptible. Wednesday morning found us in sight of Algiers and those who cared to land did so in the afternoon. One of the things which marked the arrival of the steamer was the hearty greeting accorded by swarms of Algerian fruit venders who surrounded us and vociferously offered oranges, figs, dates and flowers tastefully packed in attractive net sacks or fiber baskets to the passengers (mostly second class and steerage) who remained on board. The prices were low and the fruit of fair quality.

The city of Algiers is an interesting mixture of ancient, oriental and modern European architecture. In the fine quays, excellent store-houses and places of business near the shipping, one sees splendid examples of the buildings of to-day. In the old part of the town you are plunged into the oriental and mediaeval. The narrow paved streets with their numerous connecting arches are interesting and characteristic. The westerner is apt to laugh at these tiny alleyways which serve as streets but after all there are reasons for building close and making narrow streets. Towns compactly built in this fashion could be protected and defended with comparative ease. Then again the closeness of the buildings furnished a maximum of shade, a most important point during the hot days of summer. As a rule the nights are cool in this somewhat arid region—for Algiers may be looked upon as the gateway of the western tourist to the great interior desert.

In Algiers one finds a cosmopolitan people. Here one first meets the picturesque Arab, the Moor, the Turk, in addition to frequent examples of the wandering tribes of the desert. One hears French, Spanish, Italian, English and of course Arabic spoken in the public places. Here the native women of society always appear fully veiled in public places. Algerian houses are provided with roof-gardens and there the women may doff their filmy coverings. The heavily laden donkey often blocks the narrow street and, as in Spain and Italy, is indispensable for transporta-

tion in mountainous parts. The traveller—speaking in guide book phrases—may linger in the environs of Algiers many days with pleasure and profit. The passing steamer stops a few hours—one gets a taste and an appetite for more.

The next point of the Alexandria bound steamer is Genoa about 36 hours from Algiers. Italy has at least two large commercial cities, Milan and Genoa. The latter has the distinction as every school boy knows of being the birth place of Columbus. The harbor is large and safe, the shipping extensive and the commercial interests im-

portant. Two cruisers were in course of construction at the time of our arrival. As indicated in an earlier letter our plan—though not definitely outlined, was to go on to Alexandria and see a bit of Egypt during the winter months. Unfortunately this plan was quite upset by the inconsiderate illness of the writer who persisted in sticking to his berth—though not from seasickness,—when he wanted to be careering round the decks with the other young folks! His family, backed by the doctor, thought it well to land him at Genoa and search for a physician who specialized in his form of malady. This was done with the result that after a few days recuperation in a comfortable English-Italian Hotel he was again, with the aid of his family and good friend the doctor, transported to Lausanne, Switzerland where he provided satisfactory carving material for a very excellent surgeon. Enough of personalities, however Genoa has fine old palaces with their curios and pictures.



A wide street in Algiers

Its astonishing what an industrious lot these Italian painters were in days gone by) sculpture and ornaments. Genoa too has an exceedingly handsome and elaborate cemetery—quite the finest planting ground of the kind in the country. The young lady and the doctor thought it magnificent. The Madame says she was not interested in cemeteries at the time although one member of the party did act as though he might be a candidate for a “corner lot.”

The traveller may choose between two routes in travelling from Genoa to Lausanne, Switzerland. Both are so called tunnel routes for he must somehow cross the interior Alps before he emerges alongside Lake (Leman) Geneva. Both routes are famous as feats of railway engineering. The older is the St. Gothard tunnel route while the other is known as the Simplon line which carries one through the



The market place of a typical Algerian city, showing fruits and vegetables longest tunnel in the world—a little over 12 miles—and two or three thousand feet below the crest of the Alps. The older route is by far the more interesting from the scenic point of view.

Going north from Genoa one soon leaves the hilly coast country and emerges upon the great central plain of Italy. Delightful farming land but a mosquito and malarial country most emphatically. On our second trip through this region later in April the farmers were planting rice—a pleasant job it was! The seed sown by hand was distributed by bare legged youths who waded through the muddy water being preceded by oxen dragging a harrowing or more properly rooting implement for the preparation of the soil. The surface of the ground is laid off in small squares surrounded with dikes to permit of efficient flooding. The mulberry is extensively cultivated in this region for the silk worm. The closely cropped trees—for they are headed back every year—give the landscape a stiff and formal appearance. In this region corn, wheat and other cereals are quite extensively cultivated. While farming is more profitable in this region than in many others, malaria and mosquitos detract much from the comforts of life.



General view of the fine harbor of Genoa, Italy

This is always true where quinine is almost an article of diet.

A wonderful contrast to the farming and gardening efforts of these regions is presented in the latter part of the same journey when the terraces of the vine growers of Lake Geneva came into view. Of these we shall speak in our next.

BLOOMLESS, SEEDLESS APPLES.

These have appeared under various names for at least two centuries. Such descriptive phrases as no bloom, no core, seedless, and bloomless have all been associated with this particular freak type of apple. The first definite description and extended mention we find is in Du Hamel, 1768. Again in his revised work, 1807, there is an enlarged account of a so-called seedless apple.

At the American Institute, New York, 1868, a seedless apple was exhibited.

In Tilton's Journal of Horticulture, 1869, a description of this apple exhibited the previous year at the American Institute appears.

In the Botanical Gazette for 1887 is a note on the bloomless apple.

In 1889 the Department of Horticulture of Cornell University received from Mr. Robinette of Flag Pond, Va., specimens of a bloomless and seedless apple. These specimens were not entirely seedless.



The Algerian donkey, the "ship" of the mountainous districts, fore and aft.

In 1903 the Spencer Seedless Apple was first exploited through the newspapers. It was heralded as a new creation the work of several years of continuous effort on the part of John F. Spencer of Colorado Junction.

In November, 1905, specimens of this same type of bloomless, and seedless apple were received from West Virginia, by the Horticultural Department of Cornell University, photographed, and carefully examined.

The interesting feature about all these apples is that they are bloomless in that they have no petals. The stamens are abortive, and they possess two sets of ovules, the normal ovary with a superimposed ovary. Whether the apples are seedless or not very likely depends upon the amount of pollination. All specimens examined have two more or less clearly defined cores, one above the other, and have, therefore, a double amount of the objectionable carpels lining the ordinary ovule cavity. Of the apple received in 1889, former United States pomologist Van Deman says that the quality of the apple is tolerably good, but the size is small and in color it is dull green with a dull or faint splash of red. My opinion is that the variety is practically worthless so far as fruit is concerned, but quite interesting as a curiosity.

PREPARING NURSERY LAND.

C. C. MAYHEW, Sherman, Texas.

The preparation of nursery land is such a simple matter that I feel there is very little to say that is not thoroughly understood by every grower. Still, on visiting almost any place in the country I am convinced that this important matter is not being given due consideration.

It is first important that land be properly selected. Land suited to the particular crop to be grown should be chosen, and the selection of location should be made well ahead of planting time. Moreover it should be seen to that crops which precede the crop of trees, leave the land in good condition for early preparation.

We find small grain the best to immediately precede a crop of trees, as it is out of the way early and leaves the land clean. Of course, where it can be done clover, alfalfa, or peas is better. Above everything else, however, have the land clear sometime before you want it for trees. Then by thoroughly breaking and harrowing you can plant when ready.

firm soil for seeds of plants, and can plant as near level as you wish. A slight ridge makes the first cultivation an easy matter, clearly defines the row if you wish to cultivate before seedlings are out of the ground, and leaves the land in much better shape than when we try to hold it perfectly level.

There are a number of details that might be considered for various plants, but I have found the ones above mentioned to be of most importance in preparing nursery land.

VISIT FROM W. VAN KLEEF, JR.

W. Van Kleef, Jr., while on his annual trip for W. Van Kleef & Sons, Boskoop, Holland, called at the business office of the NATIONAL NURSERYMAN, after visiting the Western Nurserymen. New York being his terminal he sailed for Boskoop the 14th of May.

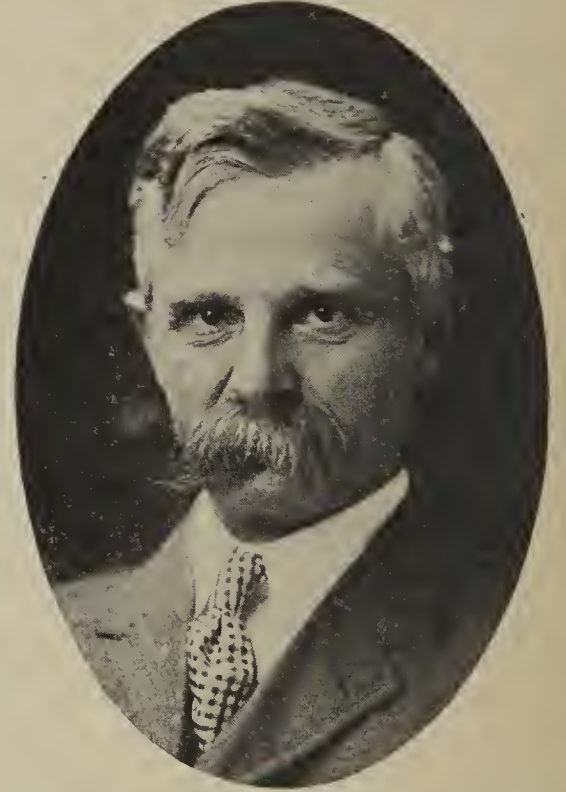
Your attention is called to the new peach, "Martin's September" offered by James Cureton of Cureton Nurs. Austell, Ga.



HERBERT B. CHASE
Executive Committee



J. H. DAYTON
Chairman of
Executive Committee



E. M. SHERWOOD
Executive Committee

We have also found it quite helpful to run the tree digger ahead of the planting. This answers as a subsoiler and clears the rows of stumps, roots and grubs, which—if left—would be in the way at digging time when time means more than at any other season of the year.

Running the digger ahead of planting, also avoids heavy loss in digging for when you strike a stump in a row of trees it means considerable loss in stock and waste of time.

Another matter worthy of careful consideration in planting is to leave out the objectionable land, and also to leave ample room at ends of rows for turning digger teams. This will seem a waste of land until you begin digging, then, you will not regret it.

Still, another matter, and also important with us, is to avoid planting on a level. I have noticed greater losses from planting too deep than from any other cause. By ridging the land after the digger has been run, and harrowing it down just ahead of the planting, you get moist

THE SALEM CHERRY FAIR.

At a recent meeting of the Salem Board of Trade the following committee was appointed to take charge of our Annual Salem Cherry Fair: F. W. Power, C. A. Park and H. S. Gile. The Salem Cherry Fair is one of the best horticultural displays of fine fruit that we have in the Northwest. It will be held about the 10th of July (date to be announced later). About thirty to forty cups will be offered as premiums and a large number of diplomas and other prizes. In connection with the cherries there are displays and premiums for general fruits, roses and sweet peas, and we desire as many nurserymen and florists present as possible.

The Salem Cherry Fair being held just after the meeting of the Pacific Coast Association of Nurserymen affords eastern nurserymen the chance to attend both without the expense of two trips to the coast.

FRUIT TREES IN WASHINGTON.

Reports from the various counties just compiled by F. A. Huntley, state horticultural commissioner, show that Washington had 9,184,366 bearing fruit trees in 1907. Twenty-five thousand acres have been added since the spring of 1906, and it is expected that more than 1,000,000 trees will be set out before the end of this year. The value of a full crop of fruit is estimated to reach from \$35,000,000 to \$40,000,000.

The state has within its boundaries 5,337,094 apple trees, 857,892 pear trees, 1,392,760 peach trees, 557,674 cherry trees and 1,044,946 plum and prune trees, besides 133,883 apricot, quince, nectarine, almond and English walnut trees not enumerated in the foregoing statistics. This is a gain of 3,977,614 trees since the report given out in March, 1907, and an increase of 64,083 trees of the last named varieties.

Yakima county heads the list with 1,795,689 apple trees, Chelan county is second with 717,324 and Spokane county is third with 459,937. Yakima county also leads in pears, peaches and cherries, the total acreage devoted to the four fruits being 34,885, and 192 acres in plums and prunes, while Chelan county has 7,032 acres devoted to the six fruits. Spokane county has 7,388 acres in fruit trees, including all the varieties named.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

The Rochester (N. Y.) Democrat and Chronicle in a recent editorial speaks very highly of the work of this organization, the membership of which is now 1,136. Of President W. C. Barry the editor says:

"For more than seventeen years the office of president of the society has been ably filled by William C. Barry, of this city, and to his intelligent activity and unflagging interest much of the success of the society is attributable. As an expert technical and practical horticulturist, Mr. Barry stands at the head of his profession; for horticulture as exemplified by Mr. Barry and his colleagues in the society has come to be distinctly classed as an important profession.

INTERMOUNTAIN NURSERY CO.

The Intermountain Nursery Co., of Brigham City, Utah, has filed articles of incorporation with the secretary of state. The capital stock is \$100,000, in \$1 shares. The officers are: A. L. Patterson, president; F. T. Troxell, vice-president; E. M. Tyson, secretary and treasurer.

INDUSTRIAL EDUCATION.

Senator Armstrong, of New York has recently introduced a bill into the Senate at Albany placing under the direction of the State University the matter of developing industrial education in New York State.

The National Society for the Promotion of Industrial Education has strongly urged the necessity for organized instruction along these lines. Fourteen years is the limit of compulsory education while sixteen is the usual age for acceptance of apprentices. It is in order to use these two years to the best advantage that it is proposed to establish trade schools throughout the State.

In New York City a committee has been appointed by the Board of Education to investigate trade schools. The chairman is Frederick R. Coudert.

OUR BOOK TABLE.

RURAL TELEPHONE EQUIPMENTS. Published by Western Electric Company, New York. 28 pages, February, 1908.

The present day movement from the cities to the country has created many new problems. The question of transportation has been met by electric roads and automobiles. The problem of efficient and effective means of communication has not, however, been so well solved. In the light of this fact the booklet published by the Western Electric Company is extremely timely.

The comprehensive scope of this little book may be seen from the subjects treated. The Value of the Telephone; Organizing a Telephone System (a) Constitution, (b) By-laws; Telephone Lines; Telephone Sets, etc.; Maintenance and Operation; Material; Conclusion. In brief, the book tells how a rural community may organize a telephone system that will be least expensive and most efficient. Clear and complete diagrams of telephone equipment are given and the whole subject is brought plainly before the lay man. A companion book "Pole Line Construction and Substation wiring" is issued by the same company. Both will be sent free of charge to any one interested. Every Nurseryman should look into the matter for he will receive much helpful knowledge.

The cost of advertising that more than pays for itself should not be a bug bear.

FENCE POSTS.

Wyoming experiments in preserving pine fence posts show that when the posts were dipped in crude petroleum and burned off so that the char comes above the ground when posts are set they will keep indefinitely.

YOUR SUBSCRIPTION.

We call your attention to the new postal regulations which require that publishers cut off from their list subscribers whose subscriptions are four months in arrears.

CATALOGUES RECEIVED.

Rice Bros. Co., Geneva, N. Y. General catalogue of Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Plants.

Wholesale Trade Price List of Tasmanian Native Ornamental Flowering Trees and Shrubs, Herbaceous Plants, Etc. from J. Overall, Zeehan, Tasmania.

Wholesale Catalogue 1908 from H. M. Hardyzer, Boskoop (Holland) wholesale grower and exporter of Rhododendrons, Roses, Boxwood, Azaleas, Pæonies, Clematis, Hardy and Forcing Plants and Shrubs. H. Frank Darrow, No. 26 Barclay St., New York, Sole American Agent.

Trade list of Aug. Haerens, Somergem, near Ghent, Belgium, extensive grower of Indian Azaleas, Greenhouse Palms, Araucarias, Ficus, etc. Aug. Rolker & Sons, 752 P. O. Box, New York City. Agents for the United States and Canada.

AMERICAN ASSOCIATION OF NURSERYMEN REGISTRY. 1908, MILWAUKEE, WIS.

- J. C. Hale, Winchester, Tenn.
 E. P. Bernardin, Parsons, Kans.
 Irving Rouse, Rochester, N. Y.
 Frederick W. Kelsey, Pres't. American Nursery Co., New York.
 W. C. Reed and wife, Vincennes, Ind.
 Winfried Roelker, New York.
 H. D. Simpson, Vincennes, Ind.
 H. M. Simpson, Vincennes, Ind.
 M. E. Chandler, Argentine, Kans.
 W. E. Galeener & Sons, Vienna, Ills.
 G. L. Holsinger, Rosedale, Kansas.
 David Hill, Dundee, Ill.
 Chas. Loechner, New York.
 Commercial Nursery Co., Winchester, Tenn.
 Alabama Nursery Co., Herbert Chase, Huntsville, Ala.
 H. Frank Darrow, New York.
 Henry Kallen, New York.
 J. H. Dayton, Painesville, O.
 D. J. Tighe, Billings, Mont.
 Henry B. Chase, Huntsville, Ala., Chase Nursery Co.
 American Fruits, Rochester, N. Y.
 E. W. Chattin, Winchester, Tenn.
 Chas. Cannon, New York.
 J. W. Hill, Des Moines, Ia.
 Abner Hoopes, West Chester, Penn.
 C. L. Yates, Rochester, N. Y. } National Nurseryman.
 John S. Gallagher, Ithaca, N. Y. }
 S. W. Crowell, Rich, Mississippi.
 Home Nursery & Or. Co., Grand Junction, Colo.
 Henry S. Dawson, Eastern Nurseries, Jamaica Plains, Mass.
 J. B. Pilkington, Portland, Oregon.
 J. A. Lopeman, Enid, Okla.
 W. N. Scarff, New Carlisle, O.
 F. D. Green, Perry, O.
 J. W. McNary, Dayton, O.
 D. H. Henry, Geneva, N. Y.
 A. F. Bernard, Painesville, O.
 W. W. Thomas, Anna, Ills.
 W. C. Harrison, Painesville, O.
 J. Van Lindley, Pomona, N. C.
 C. M. Hobbs, Bridgeport, Ind.
 Fred Hobbs.
 J. McHutchinson, New York.
 T. B. West, Perry, O.
 C. B. Knickman, New York.
 B. F. Greening, Monroe, Mich.
 R. B. Shanklin, Winfield, Kas.
 W. B. Cole, Painesville, O.
 H. S. Harrison, York, Neb.
 G. B. Fravert, Denver, Colo.
 J. H. Wallace, Shenandoah, Ia.
 W. H. Stark, Louisiana, Mo.
 A. J. Brown, Geneva, Neb.
 C. G. Ferguson, St. Joseph, Mo.
 Geo. K. Pixley, The National Fruit Grower, St. Joseph, Mich.
 F. A. Weber, Nursery, Mo.
 Fred H. Staudt and wife, Natural Guano Co., Aurora, Ill.
 W. J. Maloney, Dansville, N. Y. [F]
 F. W. Wells, Dansville, N. Y.
 H. Kohankie & Sons, Painesville, O.
 Thos. B. Meehan, Dreshertown, Pa.
 A. L. Causse, New York, N. Y.
 W. F. Ilgenfritz, Monroe, Mich.
 Chas. A. Ilgenfritz, Monroe, Mich.
 Henry Crone, Monroe, Mich.
 E. W. Reid, St. Paul, Minn.
 L. L. May & Co.
 N. W. Uhl, Rep. Jacob Uhl, Dansville, N. Y.
 O. P. Beckley, J. H. McFarland Co., Harrisburg, Pa.
 G. L. Tabor, Glen St. Mary, Fla.
 Jefferson Thomas, McFarland Pub. Service, Harrisburg, Pa.
 W. H. Wyman, North Abington, Mass.
 O. A. Hobbs, Bridgeport, Ind.
 Harry W. Hobbs, Bridgeport, Ind.
 J. Horace McFarland, Harrisburg, Pa.
 A. H. Lake, Black River Falls, Wis.
 Robert O. Stoeck, Dayton, O.
 Kelley Bros., Dansville, N. Y.
 Peter Youngers, Geneva, Neb.
 E. S. Welch, Shenandoah, Ia.
 The Ohio Nursery & Supply Co., Elyria, O., W. P. Bates, Manager.
 The Elizabeth Nursery Co., Elizabeth, N. J., E. Runyan.
 Chas. W. Vredenburg, Rochester, N. Y.
 C. R. Webster, Rochester, N. Y.
 Rochester Litho. Co., M. B. Fox, Rochester, N. Y.
 W. H. Bell, Huntsville, Ala.
 W. H. Heikes, Huntsville, Ala.
 M. Moss, Huntsville, N. Y.
 F. E. Schifferli, Fredonia, N. Y.
 Geo. H. Whiting, Yankton, S. Dak.
 John S. Kerr, Texas Nursery Co., Sherman, Texas.
 E. W. Kirkpatrick, McKinney, Texas.
 C. L. Watrous, Des Moines, Ia.
 Cedar Hill Nursery & Orchard Co., Winchester, Tenn.
 Hugh Morton.
 F. R. Kirkpartick, McKinney, Texas.
 Benj. E. Gage, Chicago, Ill.
 Peterson Nursery, Chicago, Ill.
 Fraser Nursery Co., James W. Fraser, Huntsville, Ala.
 J. F. Donaldson, Warsaw, Ky.
 John C. Chase, Derry, N. H.
 Wm. W. Rich, F. B. Vandergift & Co., New York, N. Y.
 F. W. Menery, Council Bluffs, Ia.
 Marshall Bros., Arlington, Neb.
 White's Class Advertising Co., Chicago, Ill.
 Frank W. White.
 E. E. Rogers.
 Fred L. Martin.
 L. A. Berckmans, Augusta, Ga.
 C. M. Hooker & Sons, Rochester, N. Y.
 G. E. Prater, Jr., Paw Paw, Mich.
 Hooker Wyman Co., Rochester, N. Y.
 H. E. Schaefer, Paw Paw, Mich.
 The Wolverine Co-operative Nursery Co., Ltd., Paw Paw, Mich.
 Crown Nursery Co., C. O. Fowler, Knoxville, Tenn.
 J. G. Harrison Sons, Orlando Harrison, Berlin, Md.
 Treeville Nursery Co., S. Dougherty, Powell, Tenn.
 The Fruit Grower, St. Joseph, Mo.
 James M. Irvine.
 Charles Work.
 W. G. Campbell.
 Geo. Peters Nursery Co., Troy, O. C. M. Richmond.
 Knoxville Nursery Co., A. I. Smith, Knoxville, Tenn.
 Prudential Nursery Co., Kalamazoo, Mich.
 C. A. Keill.
 O. Richardson.

Central Nursery & Floral Co., Kalamazoo, Mich., L. P. Thurston.

A. Hamilton & Sons, Harry E. Hamilton, Bangor, Mich.
Sherman Nursery Co., Charles City, Ia.

E. M. Sherman.

F. A. Thomas.

C. G. Patten & Sons, Charles City, Ia., H. G. Patten.

C. F. Dallman and wife, Missoula Nursery Co., Missoula, Mont.

F. F. Bernard, Painesville, O.

Benson Omaha Nursery Co., P. J. Flynn, Benson, Neb.

R. C. Petters, Ironshire, Md.

P. Ouwerker, Weehawken, N. J.

C. R. Burr, Manchester, Conn.

C. A. Bennett, Robbinsville, N. J.

Franklin Davis Nursery Co., R. A. Wickersham, Pres., Baltimore, Md.

G. A. Bryant, Princeton, Ill., Arthur Bryant & Sons.

E. Ferrand, Detroit, Mich.

T. S. Hubbard Co., W. L. Hart, Sec., Fredonia, N. Y.

White Elm Nursery Co., Oconomowac, Wis.

A. W. Brown.

Miss L. Ada Lyman.

E. H. Niles.

G. F. Counsell.

Miss Elsie O. Tennant, Milwaukee, Wis.

F. B. Thompson, Milwaukee, Wis.

W. W. Brown Nursery Co., Hartland, Wis.

Baker Bros. Nursery Co., Forth Worth, Texas, J. B. Baker.

H. G. Bryant, Davenport, Ia., Mrs. H. G. Bryant.

J. W. Schuette, St. Louis, Mo.

J. K. Henby & Son, E. A. Henby, Greenfield, Ind.

O. F. Brand, Fairbault, Ind.

M. F. Foley, Baraboo, Wis.

R. B. Griffith and wife, Fredonia, N. Y.

Orville Chase, Geneva, N. Y.

John Watson, Newark, N. Y.

Allen L. Wood, wife and son, Rochester, N. Y.

Wedge Nursery Co., Clarence Wedge, Albert Lea, Minn.

M. Barnes & Co., Sta. K. Cincinnati, O.

J. J. Barnes.

C. R. Gaskins.

B. E. Fields and wife, Fremont, Neb.

G. L. Welch & Co., Fremont, Neb., Mrs. G. L. Welch.

C. L. Leesley, Chicago, Ill.

F. G. Garrett, Burns City, Ind.

J. H. Foster, Fredonia, N. Y.

W. C. Barry, Rochester, N. Y.

F. G. Barry, Rochester, N. Y.

C. J. Maloy, Rochester, N. Y.

C. H. Hawks, Rochester, N. Y.

Theo. J. Smith, Geneva, N. Y.

J. M. Graham, Mechanicsville, Ia.

Swain Nelson & Sons, Co., Chicago, Ill., Alvin E. Nelson.

Vaughan Seed Store, H. Cheeseman, Chicago, Ill.

Thos. A. McBeth, Springfield, O.

J. A. Young, Aurora, Ills.

W. G. McKay, Pardeeville, Wis.

G. W. Sheldon & Co., E. E. Marks, Chicago, Ills.

Coloma Nursery Co., Wm. Giant, Coloma, Mich.

Frank K. Kadlec, Chicago.

Saddler Bros., Bloomington, Ills.

Mussing Link Apple Co., Clayton, Ills.

H. E. Merrill, Geneva, N. Y., H. L. King.

Geo. Hemm, Sydney Nurs., Sydney, O.

Geo. H. Johnston, Kansas City Nurs., Kansas City, Mo.

E. T. Dickinson, Chatenay, France.

C. D. Wenger, Dayton, Va.

Geo. J. Kellogg & Sons, Janesville, Wis., M. L. Kellogg.

E. S. Osborne, Rochester, N. Y.

Wm. Pitkin, Rochester, N. Y.

American Hort. Dis. Co., Martinsburg, W. Va.

B. J. Pratt & Co., New York City.

Enos W. Dunham, Stevensville, Mich.

F. H. Stannard, Ottawa, Kans.

W. C. Dickey, Ind. Harbor, Ind.

D. T. McCarthy & Sons, Lockport, N. Y.

Geo. Winter, Prop. LaSalle Co. Nursery, LaSalle, Ills.

Chas. J. Brown, Rochester, N. Y.

W. H. Bright, Fort Atkinson, Wis.

Moseley Hale, S. Glastonbury, Conn.

L. F. Dintelmen, Belleville, Ills.

Lloyd W. McCultheon, Mt. Vernon, Ia.

American Florist, Chicago, Ills., Michael Barker.

A. B. Morse, St. Joseph, Mich.

D. H. Hansen, Galbraith Nurseries, Fairbury, Nebr.

David Knight, Sawyer, Mich.

Bates, Wyman, New York.

H. E. Weed, Chicago.

L. J. Rucker, Pardeeville, Wis.

R. H. Coe, Fort Atkinson, Wis.

F. C. Edwards.

D. C. Converse.

Geo. C. Hawley, Hart, Mich.

E. F. Edmonson and wife, Perry, Ohio.

North Jersey Nurseries, E. D. Punell, Newark, N. J.

Maywood Nursery Co., Z. C. Smith, Maywood, Ills.

C. W. Stuart Co., J. M. Pitkin, Pres., Newark, N. Y.

T. J. Ferguson, Wauwatosa, Wis.

Orange Judd Co., Chicago, Ills.

W. E. Fancher, Corliss, Wis.

The Grasselli Chemical Co., W. E. Craley, Cleveland, O.

John Klehm & Sons, Arlington Heights, Ills., Geo. Klehm.

Geo. S. Josselyn, Fredonia, N. Y.

OUR VISITORS

Before leaving for Milwaukee, the following prominent nurserymen called at the office of the NATIONAL NURSERYMAN:

F. Walter Wells, member of the firm of Maloney Bros. & Wells, Dansville, N. Y.

Orlando Harrison, of J. G. Harrison & Sons, Berlin, Md.

Chas. Loechner, of the Yokohama Nursery Co., N. Y.

Henry S. Dawson, of the Eastern Nurseries, Jamaica Plains, Mass.

C. A. Bennett, of Robbinsville, N. J.

James McHutchinson, of McHutchinson & Co., 17 Murray St., N. Y.

Winfried Roelker of August Roelker & Sons, 31 Barclay St., N. Y.

James Pitkin, of C. W. Stuart & Co., Newark, N. Y.

Divijadus Datta, a Hindoo post-graduate of Cornell, called at the office of the NATIONAL NURSERYMAN during the time of the Convention. Mr. Datta visited Rochester to see the nursery interests. Leaving the Flower City, he stopped at Detroit, thence to Guelph, Ontario, etc. In the fall he intends to return to his home in Bengal.

J. W. Kerr was the only one at the Milwaukee convention who had a good word to say for the Kieffer pear. He said \$200 to \$300 per acre has been made in Texas off the Kieffer and that such a variety is entitled to credit. It was an aspersion for the northern nurseryman to interject: "Who buys 'em in Texas?"

EXHIBITS

An unusually large number of exhibits filled the two rooms set apart as Exhibition rooms. The heavier articles were in a large room on the ground floor at some distance from the lobby; the lighter and less bulky in well lighted rooms on the second floor. Nurserymen and inventors of implements for nursery work are beginning to realize the value of Exhibits.

THE REED-BELL GRAFT WRAPPING MACHINE.

Of all the problems confronting nurserymen, the one hardest of all to solve, is how to prevent the callous knot or "hard crown gall" on apple trees. This growth has caused growers more worry and financial loss than any disease or any insect with which they have ever had to contend. It has been proved by various tests that 99% of this root knot is nothing more than a callous thrown out by an imperfect union improperly wrapped—simply an overproduction of the repair tissue along the cut surface of the graft. When properly wrapped, the percentage of trees affected with this callous knot is reduced to a minimum.

The Reed-Bell Graft Wrapping Machine reduces the cost of wrapping to a minimum. An account carefully kept during several weeks of the grafting season of 1908 shows that machine-wrapped grafts cost, on an average, 5c per thousand for twine, 11c per thousand for wrapping, a total of 16c per thousand; this effects a saving of 34c per thousand over calico wrapping. But what is of more importance, the tension of the thread may be adjusted so as to wrap the graft so tightly that one may take it by the root, and throw it, shake it as he will, it cannot be loosened. In many tests, either root or scion has broken, rather than any loosening or breaking at the splice; hence in planting, grafts can be handled almost like cuttings without fear of breakage, resulting in the saving of thousands of trees; this one point alone will, in one planting season, more than cover the cost of a machine.

As a preventative to "hard crown gall," or the callous knot, it is necessary that the wrapping be solid the entire length of the splice, especially at the lower end of the scion. Such wrapping requires entirely too much time for applying by hand, but with the machine it can be applied smoothly and evenly in about one-half the time required for old fashion hand-wrapping.

The Reed-Bell Wrapper has a record of perfectly wrapping 30 grafts per minute on a power machine; foot power is nearly as rapid. It is not claimed that a green boy, nor in fact anyone, will hold up this record for a 10-hour day, but any active boy should average from 6,000 to 10,000 per day of 10 hours.

A 1-10 H. P. electric motor will run from one to eight machines at a cost for power of 75c per day of 10 hours, with current at 10c per 1000 watts. But any other power can be used on the line shaft for gang machines.

I. J. ILGENFRITZ SONS COMPANY.

After several years experimenting the Ilgenfritz Co., now have a device in their Opener and Firmer that is one of the most satisfactory of the machines on the market for planting stocks and grafts in all soils.

The Opener has a double adjustment lever which will throw the point of the plow down where the ground is hard so it will take hold readily. The back and top part of the plow is made so that the wings press the top of the soil down so as to give a clean opening.

Others who have tried to plant with Openers, report having had a great deal of difficulty in packing the ground



REED-BELL
GRAFT
WRAPPING
MACHINE.

Any ordinary
boy can wrap
from 15 to 20
grafts per
minute.
Experts have
wrapped 30
per minute.

Pat'd May 5, 1908

firmly about the lower part of the stocks where it is most essential. This difficulty has been overcome with the Ilgenfritz Firmer, by so arranging the central two wheels, which do the packing, on a pivot. The operator controls these two wheels by placing his feet on pedals, thus guiding the machine where there are crooks and curves in the rows. Where the ground is heavy the machine can be loaded to any weight pressure desired, packing the ground solid as deep as the Opener works. These machines have been as much of a revelation in the way of planting, as the first tree plow diggers were in the way of digging stock.

E. C. BROWN & CO.

The E. C. Brown Company of Rochester, N. Y., made an effective display of two of their spraying machines, the compressed air and horsepower sprayers. For many years the No. 1 compressed air has been the standard for this

type of machine; it has been perfected after many years of experimental work. A new device for insuring an even pressure at all times has been recently added. This leaves nothing to be desired for this handy machine.

Auto-Spray No. 11 is specially adapted to the spraying of nursery stock. The nurserymen who viewed this machine commented upon its sound and common-sense construction. It has a capacity of 100 gallons and will spray five rows in a field.

NATURAL GUANO COMPANY.

The subject of pulverized sheep manure is one that is fast growing in importance. A few words will explain to the purchaser of plant-foods its method of manufacture.

The sheep are driven in from the plains of the West to the railroad centres and shipped to feeding stations, located on the western railroads, a short distance from Chicago, where they are put in covered pens and fed until ready for the market. The sheep, in this fattening process, are fed on wheat screenings and cracked corn, in whatever proportions necessary to fatten them. The crude sheep manure, is allowed to accumulate in the pens about eight to ten inches in depth. It is taken from these covered pens and brought a few hundred feet to the factory, where it is subjected to



a process which dries and thoroughly sterilizes the manure, so that the undigested weed seeds are killed, and cannot, under any condition germinate. The dried sheep manure is then ground to an even fineness, so that the fertilizer ingredients are more readily available as a plant-food, and put up in bags of 100 pounds each, ready for the consumer.

All forced vegetable crops or open-truck crops, all florists' varieties, and all nurserymen's stock are very exhaustive to the soil, and a plant-food, giving up its elements readily to the crop, is the essential feature of success in this line. The virtue of pulverized sheep manure is that it is nature's best plant-food, containing large percentages of humus and also fertilizer ingredients in large enough quantities to be readily available to any kind of an exhaustive crop. Rightly used, pulverized sheep manure will mature crops earlier, besides giving them a more luxuriant growth.

The brand of sheep manure made by the Natural Guano Company has been very highly recommended by leading nurserymen such as Stark Bros., Jackson & Perkins, and Chase Bros.

AMERICAN HORTICULTURAL DISTRIBUTING CO.

A new mixture, a combination of a fungicide and insecticide is being put on the market by this firm. It controls all insect life and fungous diseases. Other innovations of the market are an Orchard Vetch which has been imported

from Russia; it is a valuable leguminous crop. A soluble asphalt oil for macadam roads is also being introduced. It has been adopted by the Niagara State Reservations for its roads.

DAVID HILL.

The "evergreen" specialist, Mr. David Hill showed a great variety of splendid trees of many sizes. Every tree was marked by its perfect growth, shape and color. These specimens clearly showed forth Mr. Hill's ability to make evergreens grow right.

THOS. B. MEEHAN & CO.

The standard old-line Red Star Raffia was the main display of this company. Their Raffia has demonstrated its superior qualities through a number of years.

ALABAMA NURSERY COMPANY.

A full line of nurserymen's implements was placed on exhibition by this well-known company. Among these may be mentioned the Southern Queen hoe, pruning shears, pruning knives, grafting thread, tree gauge and tree counter. These implements are well known, in fact, they are standard and need no detailed description.

A very full line of ornamental and miscellaneous nursery stock was exhibited and the distinguishing features and peculiarities of every piece of stock emphasized. Over every pot containing a shrub or the like was placed a card upon which was written a full description of the variety. Altogether the Alabama Nursery Company's exhibit was very creditable and attractive.

THE J. HORACE MCFARLAND CO.

The J. Horace McFarland Company, of Harrisburg, Pa., were on hand with a very complete line of samples of the work done by their press. The specimen covers of the nursery catalogues printed by this firm were uniformly well colored, simply designed and extremely effective. Their printing was shown to be first class and much above the ordinary.

An interesting feature of their exhibit were the Auto Chrome Negatives made by the Lumiere process. It is possible to reproduce from nature upon a photographic plate the exact colors of any object. In December of this year Mr. Lumiere will place upon the market a photographic paper capable of reproducing colors caught by the negative. When this is done a great step forward in color printing will be taken. All the nurserymen who saw the exhibit were delighted at the exquisite coloring found on all the photographic plates.

B. G. PRATT COMPANY.

The well known and popular "Scalecide" made by this company was exhibited and explained to all nurserymen interested. An interesting little booklet "The Whys and Wherefores of Fall Spraying" was distributed. We quote a sentence from this, "Hit the scale hard or it will knock you out, 'Scalecide' is your best weapon.

BUFFUM TOOL CO.

This company exhibited the improved Stark Transplanting Plow which it claims to be the "daddie" of all graft-plows. One of the main features of the Stark plow is its furrow; one side being vertical serves as a brace and guide so the plant retains an upright position; the other side is so shaped that a portion of the pulverized soil falls back in the bottom of the furrow, providing a soft bed upon which the plant rests, or if a long root or cutting, it can be easily pushed down as far as desired.

Another exhibit of the Buffum Tool Co. was the Buffum Automatic Printing Press which will print 10,000 postal cards an hour. This press would be an extremely valuable addition to any office.

ELLWANGER & BARRY.

A fine array of Japanese Maples decorated the windows of the Exhibition room. Their perfect and delicate foliage of a russet color attracted a great deal of attention. They were from the Mount Hope Nurseries, Rochester, N. Y.

J. G. HARRISON & SONS.

Among the best of the tree exhibits was that of the Harrison Company. Sturdy and well-developed stock of one-year peach, two-year apple, two-year pear, two-year plum and two-year cherry were shown. The dry, hot air of the Exhibition room did not seem to effect them materially; they stood up well.

BENJ. CHASE CO.

The Benj. Chase Co., Derry Village, N. H., displayed samples of wood labels for Nurserymen and Florists.

MC HUTCHINSON CO.

The McHutchinson Company of New York displayed samples of their old reliable Raffia.

THE ROCHESTER LITHOGRAPHING CO.

The Rochester Lithographing Company was on hand with their usual full line of samples, and during the days of the Convention were busy showing the nurserymen their different plates. Their work is well known and needs no description.

MISCELLANEOUS.

In their Trencher and Soil Firmer, the Clinton Falls Nursery Co., have brought out what they claim to be two of the best labor-saving devices yet introduced to assist the Nurseryman in planting his stock cheaply and in such a manner that a much larger percentage will grow than when other makes of machines are used or when planted in the ordinary way.

Al. K. Feigly has announced the improved Feigly nursery tree digger and claims that it has more points of merit recommending it to the Nurserymen of the United States than any other machine for like purpose on the market today.

The Perine Plow Works, Topeka, Kansas, exhibited their graft planter and seedling digger.

The Reed Tree Stripper which made such a favorable impression a year ago at Detroit was again on exhibition.

W. A. Harding & Co., Winnebago, Minn., exhibited their Rotary Harrow with gang plow and sulky plow attachment.

The Niagara Sprayer Company, Middleport, N. Y., exhibited Insecticides, Fungicides and Niagara Gas Sprayers. These later are unique, simple and easy to handle.

American Fruits issued a small pamphlet containing a directory of Nurserymen. The names are listed by states.

The New Jersey Peat and Moss Co., placed in their space numerous varieties of moss and gave away samples carefully packed.

The Dayton Fruit Tree Label Co., likewise showed a line of wood labels for Nurserymen and Florists.

Tooth picks and Nurserymen's wood labels formed the exhibit of the Perfection Mfg. Co., Detroit, Mich.

T. A. McBeth, Springfield, Ohio, displayed a fine collection of hardy shrubs.

Vredenburg Company of Rochester, N. Y., had a creditable display. Their colored photographs in many cases were remarkably striking and effective. The photographic basis for the coloring makes their plates a good means of selling nursery stock.

The exhibit of the National Fruit Grower consisted of specimens of the magazine for the past year. The magazine as it has been printed is a creditable piece of work.

The NATIONAL NURSERYMAN had a very simple display, having only a number of copies of its June issue in view.

The Western Fruit Grower, St. Joseph, Mo., not only exhibited copies of the magazine as printed during 1907-8, but also a line of catalogues and makeup color sketches used by them in printing the covers for the catalogues. Mr. Charles A. Work, the new manager of the catalogue department, was on hand to explain all features of the work turned out by this company.

The Addressograph Company, of Chicago, Ill., had one of its machines in operation and an employee was on hand to explain the various working parts of this extremely useful device. By means of the addressograph mail can be addressed not only promptly, but also clearly and accurately. The machine is one that all nurserymen will appreciate in their office.

PARCELS POST IN GERMANY.

In Germany parcels up to 110 pounds in weight may be sent through the mails. There is a scale of charges for different distances, ranging from fifty miles to seven hundred miles. It costs to send a package of twenty-two pounds, 11 $\frac{3}{4}$ cents for forty-six miles, and this is increased at different stages up to 71 cents for a distance of seven hundred miles. The price also increases according to a regular schedule from eleven pounds to twenty-two. The lowest rate for carrying eleven pounds forty-six miles or less, is 5 9-10 cents. Parcels weighing more than twenty-two pounds are charged for at the rate of 1 1-10 cents for

each additional two and two-tenths pounds. It seems a perfectly fair and proper classification. The great objection to parcels post in this country has been argued on the supposition that a parcel will be carried from New York to San Francisco as cheap as for any shorter distance. A great

many people do a whole lot of talking without knowing what they mean. No one knows what classifications, rates, or distance would be best in the United States, because no one has had the necessary experience to work it out, but we will have a parcels post system and we will continue to work at it until we get it right. The express companies have run things to suit themselves long enough. It is time for the public to have an inning.

REDUCTION IN RATES.

LINCOLN, NEB.—The Adams, American, United States and Pacific express companies reduced express rates twenty-five per cent April 15, in conformity with the Sibley act. This measure went into effect in obedience to an order of the supreme court issued last week.

FACTS ABOUT NATIONAL FORESTRY.

Here are some facts regarding forest preservation in the United States:

In area the national reservations west of the Mississippi River cover 234,170 square miles, or 149,869,000 acres.

There is being spent in the Western States \$40,000,000 for reclamation, and \$5,000,000 is needed at once for the Eastern States.

Proposed Eastern forest reservation include 660,000 acres or 1,030 square miles in the White Mountains, and 5,000,000 acres, or 7,800 square miles, in the Southern Appalachians.

In 1907, President Roosevelt added 17,000,000 acres to

the Western forests, and a bill is pending in Congress to provide for the two national forest areas in the Eastern mountains, with a preliminary appropriation of \$5,000,000.

In his message to Congress President Roosevelt said:

“We should acquire in the Southern Appalachian and White Mountain



WHEN UNCLE SAM GIVES US PARCELS POST.—Courtesy of the Rural New Yorker.

regions all the forest land that is possible for the use of the nation. These lands, because they form a national asset, are as emphatically national as the rivers which they feed and which flow through so many States before they reach the ocean.”

COUNTY SEAT NURSERY CHANGES HANDS.

Chas. F. Luce has purchased the County Seat Nursery of Logan, Iowa, formerly owned by J. H. M. Edwards of that place. He announces that he is going to stock up the nursery and carry on the business on a larger scale than was formerly done. Mr. Luce is in the market for stock and tools and all things that go to make up a complete nursery equipment. We welcome Mr. Luce to the great brotherhood of nurserymen.

STORAGE CELLAR FOR NURSERY STOCK

J. M. UNDERWOOD, Lake City, Minn.

Experience has demonstrated that it is profitable and pleasant to have a storage cellar in most sections of the country. Usually, there is a time in October and November to dig and store nursery stock of all varieties, ready for spring shipment. The ground is in better condition for digging than it is in the spring and there is more time in which to do the work. To have all or a part of your stock dug in the fall prolongs the spring season, for you can ship both earlier and later. It also helps you to work more rapidly and accomplish more in the hurrying spring time than if you had to do all the digging in the spring. The most desirable features of a storage cellar are,—uniform temperature and a large capacity. It must be frost-proof and heat-proof. It should be so constructed as to be durable and fire-proof.

To obtain these conditions the Jewell Nursery Company built a storage cellar 27 years ago, 57 x 127 ft., and recently added to it a cellar 100 x 200 ft. The first cellar was covered with a tar and gravel roof and has served purpose excellently, altho it was altogether too small. Being built in the days when lumber was available at a reasonable price, the posts, beams and roof boards were all made of pine. These have now become so decayed that we replaced the old roof with a concrete one.

The cellars are built in a gravel bank adjacent to our packing and shipping buildings and opening to the east, setting back from the brow far enough so that the only space exposed is the doorways. The new cellar is 12 ft. in the ground at the sides and ends.

The excavation was made with scrapers, and a part of the dirt piled up near by, while some was used in front to widen out the approach. The walls are made of stone, quarried on the place only a mile from the cellar. In the west half we left enough sand and gravel to make the concrete for the posts and roof. This was screened so that we could get the right proportion,—three parts sand, two parts gravel and one of cement.

The foundations for posts.—Beginning on the west end we put in the foundation for the posts. These were made of concrete 3 ft. square and 18 in. deep, and 14 by 18 ft. apart. We used forms for the concrete 3 ft. on the bottom and 2 ft. on top, and 18 in. deep. Holes for rods were made in each corner. The next step was to build forms for the posts and roof.

Posts.—For the posts we used planks placed on end reaching from the foundation to the beams. Two of these planks are cleated together and these form two sides 14 in. apart; then nail boards 14 in. long on one side, thus making three sides of the form. On the fourth side nail boards at the bottom 4 ft. high to receive the first concrete.

A $\frac{3}{4}$ in. steel rod is placed 1 in. from each corner in the holes made for them, and the four are fastened by short lengths of $\frac{3}{4}$ in. band iron, looped at the ends so as to slip over the rods and thus connecting them. These are placed at intervals of 3 ft. apart from the bottom to the beam. The rods should be 2 ft. to 3 ft. longer than the posts and bend over into the beam.

Beams.—The forms for the beams are made of 2 in. plank and joined to the forms for the posts. Our beams were 10 in. wide and 18 in. deep. Between the beams we put in 2 x 8 joists, 2 ft. apart, supported by temporary 4 x 6, resting on temporary posts. Anything can be used, either sawed or cut in the woods. The top of the joists comes one inch below the top of the beam and over the joist is covered with boards. These can be rough or smooth as you like. For a cellar they can just as well be rough; the hardened concrete will then look like the boards. These boards should come even with the top of the beam. In the beams

place five $1\frac{1}{4}$ in. rods, made with hooks on each end so that they can be hooked together. Three of them are to lie straight, resting on small one inch blocks, and two are to be bent so as to form a truss. You are now ready for the concrete. The posts should be filled as soon as the forms are up and allowed to harden for a week. Then fill the beams and cover the roof.

A mixing machine is indispensable. You cannot afford to mix by hand. Be sure to use enough water so that the concrete will run well and settle into place. If it is too dry it will not make a smooth surface, and is liable to crumble after the forms are removed.

In filling the beams pour in enough concrete so that with hooks you can raise the three straight rods up one to three inches from the form and rest them in the concrete. When one section of the beam is full, begin at one corner and cover the roof. Put on 2 inches of concrete and then lay on $\frac{1}{2}$ in. rods, 9 in. apart. These should be long enough so as to lap over the beams a foot or more, and each section of these rods should lap each other a foot. Let the concrete and rods lap over the stone walls, and on to the ground one foot. Set up a 5 in. board on the ground to retain the concrete until it is set.

Removing the forms.—After allowing the forms to remain for a week or more, they can be easily removed by knocking the temporary posts out at the foot and allow the beams and joists to fall. The boards can be removed without much injury to them. The forms for the posts and beams can be pried off and the cellar is complete.

Lighting.—We put in forms for three sky-lights at equal distances in the center of the roof. They are 8 ft. square and are built up 18 in. above the roof. On the top of these

WORDS OF WISDOM.

We find your paper very interesting; it keeps us posted as to what is going on in general; reports laws enacted in the different states either for or against the nurserymen besides offering excellent suggestions from time to time regarding the conduct of the business, etc.

We certainly should never give up our membership in the Association or our subscription to the NATIONAL NURSERYMAN as we value them both very highly.

CHARLTON NURSERY CO.
Rochester, N. Y.

we built a back to the south 5 ft. high, and the ends to the east and west, then put on windows, extending from the top of the south side down to the base of the north side. This will allow the light to enter but the slant all being to the north, the sun can shine in but very little. We like these lights so much that we wish we had put four more windows in on each side of the roof. These would have been sufficient to light the cellar, and we would have had to use the electric light but very little. To provide for electricity we set cast iron inserts for receiving bolts on the boards before the concrete was put on. Then when the boards were removed bolts were inserted to which strips of wood were bolted. The electric fixtures were then screwed to these strips.

Protecting the roof.—The outside of the roof was painted with hot pitch to prevent water from soaking through the concrete. The pitch is so hard that it will crack and one part of coal tar to three of pitch would have been a better mixture. We are informed that if we had plastered the roof with one part cement and two parts sand and troweled it smooth it would have turned the water and answered the purpose better than pitch and tar.

To protect the roof from severe cold we covered it with 3 ft. of straw. As we only completed the roof in October there was not enough time for it to dry out thoroly, or we should have put on cinders and sand to keep out the cold. This we have done for the past few seasons and have covered the surface with good soil and seeded it down to grass.

Filling the cellar.—We prepared to invest several hundred dollars in material to make overhead tracks to convey cars on three alleys in the cellar, but before we had time to install it our fall digging began and the first trees that went into the cellar was a four-mule-team load of three-year-old apple trees. We found it easy to drive down the center alley with the team, unload, turn around and drive out. It solved the question of how to take stock into the cellar, as well as how to take it out in the spring. Beginning the middle of October, running two diggers, one with six and one with eight mules with men to pull and grade, and teams to draw to the cellar we were unable to fill this splendid storage in the month before it froze up.

The roots of trees should be moist when they are corded up and every other layer should receive a small amount of damp excelsior, shavings or moss on the roots. If this is not done there is a tendency for the stock to dry out in the center and bottom of the ranks of trees. We found that the heat from the ground would raise the temperature which we controlled by opening the doors. We use oak poles set in the bottom one foot to separate the different varieties and ranks.

Recapitulation. An underground cellar is preferable: First, to secure even temperature; second, for durability; third, for insurance against fire; fourth, it is just as convenient as one above ground; fifth, it insures sound sleep seven nights in every week.

Cost.

Excavating	\$1,015.00
Quarrying stone	650.00

Drawing stone	560.00
Masons	1,500.00
Labor on roof	1,897.93
250 bbls. of lime	110.26
560 bbls. of cement	1,065.20
55,845 lbs. iron	1,263.04
22 bbls. pitch	94.19
Use of lumber, etc.	375.00

\$8,530.62

To this must be added grading, covering the roof with earth and finishing the work left in the fall on account of cold weather, which will bring the total to about ten thousand dollars.

ORCHARDS MUST BE FERTILIZED.

The constant return to orchard soil of all vegetable matter produced, will keep up an adequate supply of nitrogenous material, which will be annually increased if the application of acid phosphate and potash is kept up in a liberal way. Few orchardists realize the amount of these mineral matters taken from the soil to produce a great tree, or in the production of apples.

A good crop of apples will remove from the soil three times as much potash alone as a crop of wheat on the same soil, and while in the decaying vegetable matter we can get what nitrogen the trees need, the supply of the mineral matters must be kept up if we expect to get large and perfect crops of fruit.—*Farm Progress.*

WHAT FERTILIZERS ARE WORTH.

The real and relative value of one ton each of several fertilizers is given by the Illinois College of Agriculture.

A ton of fresh farm manure contains ten pounds of nitrogen, two pounds of phosphorus and ten pounds of potassium with a total value of \$2.34.

Of dried blood, 280 pounds of nitrogen, worth \$42.

Of sodium nitrate, 310 pounds of nitrogen, worth \$46.50.

Of ammonium sulphate, 400 pounds of nitrogen, valued at \$60.

Of raw bone meal, eighty pounds of nitrogen and 180 pounds of phosphorus, worth in all, \$33.60.

Of steamed bone meal, twenty pounds of nitrogen and 250 pounds of phosphorus, worth \$33.

Of acidulated bone meal, forty pounds of nitrogen and 140 pounds of phosphorus, worth \$22.80.

Of slag phosphate, 160 pounds of phosphorus, worth \$19.20.

Of rock phosphate, 250 pounds of phosphorus, worth \$30.

Of acid phosphate, 125 pounds of phosphorus, valued at \$15.

Of potassium chloride (muriate of potash), 840 pounds of potassium, worth \$50.40.

Of potassium sulphate (sulphate of potash), 800 pounds of potassium, worth \$48.

Of kainit, 200 pounds of potassium, worth \$12.

Of wood ashes (unleached), 10 pounds of phosphorus and 100 pounds of potassium, worth \$7.20.—*Peoria Herald.*

J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs, Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks, Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa, Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 1 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

SURPLUS

We have a specially fine lot of the following stock, all first class, well grown, properly transplanted, A No. 1, on which we would be glad to make special prices.

WE CAN OFFER BY THE THOUSAND

Silver Maples, 1 1-4 to 1 1-2"

Lonicera Tartarica, 2 to 3 ft. and 2 to 4 ft.

Philadelphus Aurea, 15 to 18" and 18 to 24" heavy

Aralia Spinoso, 3 to 7 ft.

White Pine, 3 to 4 ft. and 4 to 5 ft.

American Arbor Vitae, 2, 3, 4 and 5 ft.

Ampelopsis Veitchii, 2 and 3 yrs. field grown

WRITE FOR QUOTATIONS

AMERICAN NURSERY COMPANY

SALES DEPARTMENT, 150 Broadway, New York

Established in 1866

500 Acres Under Cultivation

W. T. Hood & Co.

OLD DOMINION NURSERIES,

Richmond, Va.

Peach Trees, grown from Natural Peach Seedlings, Angoulem Kieffer and LeConte Standard Pears 2 yr. fine trees; Can offer 50,000 Peach Seedlings, grown from Natural Peach Pits, nice size for lining out in Nursery for budding, or suitable for grafting in the South, also a nice lot of Japan Pear Seedlings. Correspondence solicited.



Beatrice, Neb., Feb. 20, 1908.
White's Class Advertising Co.:—Replying to your valued favor of recent date, beg to state that we have been entirely satisfied with the services rendered by the White's Class Advertising Co. Our ads. have always been gotten up in a nice, attractive manner, and have been placed in the different papers to our entire satisfaction.
GERMAN NURSERIES (Seed Dept.)
Per A. H. Luck.

Nursery Advertising by Nursery Advertising Specialists

Nursery newspaper advertising and its attendant auxiliaries—Catalogs, Booklets, Colored Engravings, Drawings, etc., demand the concentrated attention of a master-mind and the careful direction by a master-hand. The woods are full of guessers. Don't let them guess at your expense. Your profits depend on the experience, the ability of the men who plan and execute the details of your selling campaign.

Your Business is Different

The nursery business is peculiar. Its season is short. All depends on striking "while the iron is hot." As the soldier who advances to the firing-line has no time, no chance to chase about for ammunition, so you have no time for vain regrets when the rush of the selling season is upon you and then discover that you have followed the advice of incompetent, inefficient, advertising counsellors.

Don't Experiment

Don't let beginners experiment with your appropriation. Come to specialists—get special experienced advice. We understand the specific needs of the nursery business. An interview or a letter explaining the peculiarities and conditions surrounding your proposition will be sufficient for us to suggest an advertising plan that will demonstrate our "Special Service System" will increase your sales and decrease your sales cost.

23 Years At It

Remember; our Mr. Frank B. White has been in the traces for nearly a quarter century—"At it 23 Years." He has proved in hundreds of cases by his keen insight into nursery problems, that he was the man to call in to diagnose the case, to give the final directions that made for real success, that produced actual, tangible profits in many a nurseryman's pocket. We're not without proof. Extracts from letters on this and the next page sustain our position. Write for others. We'll gladly send them. Would you like to examine some proofs of the past season's advertisements which have pulled profitable business? We'll mail you a set. Just say the word. "A word to the wise (nurseryman) is sufficient" says the old Latin proverb. Prove your wisdom.

White's Class Advertising Co.,
118-132 W. Jackson Boulevard, Chicago
150 Nassau Street, New York City

Rochester, N. Y., Feb. 12, 1908.
It gives me pleasure to state that I have had business dealings with Frank B. White and White's Class Advertising Company for many years, and that the result has been satisfactory and profitable to us.
Yours very truly,
CHAS. A. GREEN, Pres.



Philadelphia, Feb. 18, 1908.
Mr. Frank B. White:—Your esteemed favor of the 10th at hand, contents noted. In reply to same would say I can certainly give you the greatest credit for developing more new advertising than any other one man I know of in the agricultural field. By your tireless energy and superb pushing qualities you have done as much as any one to put the agricultural press where it belongs, namely: with the highest class publications of the country. Today the agricultural publications, as a whole, are giving better returns to general advertisers than any other class mediums. Your company deserves credit for developing this situation.
WM. H. MAULE.

Antrim, N. H., Feb. 21, 1908.
White's Class Advertising Co.:—Our advertising is not a very extensive affair, and as the Cahoon Seed Sower has been on the market for fifty years and is pretty thoroughly known, it is somewhat difficult, of course, to show any remarkable results in one year's effort.
We do not know where we can get any better service than we are getting from your house.
GOODSELL COMPANY.
R. C. Goodell, Vice-Pres. & Sales Manager.





These Three-Color Illustrations

are samples of work done for the Gardner Nursery Company, Osage, Iowa. The photos on both sides of this sheet were prepared for engraving in our art department. They are excellent examples of true-to-nature printing.

Are you curious to know whether the Gardner Nursery Company are pleased with our complete service? Write them. See what sort of answer you'll get. We'll do as well for you. Lay aside enough of this season's profits to improve your next season's catalog.

Progress Is Reflected In Literature

Friend:—Let us strengthen your catalog, even if we make it smaller. Condense the descriptions, reduce the size of the cuts. Have better cuts, better paper. Let the language be strong, vigorous to-the-point. Let it bristle with sales-talk. We understand the construction of such literature from A. to Z.

Counsel with us. You'll find we can give you points, suggestions, ideas that you have not yet considered. You'll approve of them. There's no time like the present.



Not Enough Mail-Cards Used

Quick action on inquiries developed by your newspaper ads is your biggest worry. How keep them interested? How keep them from any serious consideration of your competitors and price cutters?

Divert their attention, concentrate it on your trees, bushes, seeds. Hammer on your prices, manner of doing business, guarantee, prompt delivery, etc.

Do it with a series of mail cards.

We make them in all sizes and shapes—5½ x 7, 4¼ x 9¼, etc. In red, yellow, orange, green, light and dark blue, white.

We print in one, two and three colors, and all true to Nature.

Luscious, rosy strawberries; yellow peaches; golden apples; appetizing red cheeked pears and all down thro' the fruit list can be reproduced in colors that will fairly pull cash orders out of your readers pockets.

Shall we send you samples? Let us plan a series for you. Write us.



Personality In Form Letters

It's just as easy to inject a living personality into a chain of follow-up letters to go to a thousand correspondents as it is to sit and dictate to one. Often easier. Our usual success in this line is proven by the results we are getting from those follow-ups.

We present on paper just the arguments your best representative or agent would use. We're not prosy, long-winded and dull. We get at the point in the first sentence and carry the readers interest thro' to the last period. From start to finish our letters are direct, forceful efforts to sell the articles we are talking about.

We take the strong points of your peculiar business and present them to the reader so that your personality leaves a pleasant, lasting impression. We develop customers. We make sales. Then it's up to you to supply the goods and satisfy each individual.

We can mail you samples of just such letters as we describe. When shall we do it?

Extract from an Enthusiastic Letter

Calla, Ohio. February 25, 1908.

Mr. White promised not less than 40,000 replies; we reserved 50,000 catalogs. By March 1st they were all gone. We printed 25,000 more; 15 days later printed 25,000 more; later 25,000 more. These 125,000 replies all came from ladies and for once they had us,—officers, clerks, printers, presses, wagons, wheelbarrows, postmaster, postal cars,—all on the "run." The above was in 1907. Through the efficiency of your service, our 1908 campaign promises even more satisfactory returns; especially in cash with inquiries. To date, Feb. 20th, 20,940 replies.

THE TEMPLIN CO.,
By M. B. Templin, Pres.

Business Grows by Leaps and Bounds

Osage, Iowa, February 12, 1908.

White's Class Advertising Co.—In checking over our inquiry sheet this morning we find that we have turned the 30,000 mark, which we consider a very good showing for so early in the season. Orders, too, are coming in very satisfactorily, and from present indications our business will exceed that of last year by a very good per cent. During the five or six years you have handled our advertising account our business has been growing by leaps and bounds, and where our yearly sales were but a few thousand dollars, now they run up into the hundreds of thousands, which goes to prove that advertising pays. We give the credit for a large amount of this increase in sales to White's Class Advertising Co. From your president, Mr. Frank B. White, down through the rank and file of your Company, we have always received courteous treatment and the most efficient service.

Sincerely yours,
THE GARDNER NURSERY CO.,
(Signed) C. E. Gardner

Clinton, Wis. May 28, 1908.

Whites Class Advertising Co.:—We have just been checking up inquiries received the past season and you will be interested to know that so far as inquiries are concerned our advertising has made a wonderfully fine showing. Each inquiry has cost just a fraction over 10c, and another nice thing about it is that over eighty percent mentioned key-letters in writing. The cost per inquiry was less than half the average cost for three years previous to 1908 with practically the same papers used and about the same amount appropriated.

If sales correspond to inquiries, we shall feel mightily well satisfied with our advertising for 1908.

L. L. OLDS SEED CO.,
Per L. L. Olds, Pres.

Write Us For Counsel On

Newspaper	Mediums
Advertisements	Estimates on
Mail-Cards	Space Costs
Catalogs	Folders
Post-Cards	Follow-up-
Hangers	letters
Retouching	Making Draw'gs
Photos	Half-tones
Electrotypes	Zinc Etchings
Trade-Marks, etc.	

White's Class Advertising Co.,
Frank B. White, President,
118-132 W. Jackson Blvd., Chicago
150 Nassau Street, New York City



W. H. HARTMAN

DANSVILLE, N. Y.

Grower of
Standard and Dwarf

PEARS

CHERRIES AND QUINCES

European and Japan
PLUMS

Get my prices before ordering elsewhere

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch, well branched and good roots, 10,000 Vinca Minor, (Grove Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch, one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

New Amsterdam Hotel

4th Avenue and 21st Street, NEW YORK



European Plan

Rooms with use of Bath \$1.00 and up. With Private Bath \$2.00 for one \$2.50 for two and upward.

NEW BATHS and PLUMBING

Most Convenient Location in City

From 23rd Street railroad ferries or from Grand Central Station, take cars direct to hotel; no transfers.

SPECIAL RATES MADE

When writing to Advertisers mention The National Nurseryman.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,
NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

VINCENNES NURSERIES,

W. C. REED, Prop., Vincennes, Ind.

CHERRY

We are pleased to announce that we will have our usual supply of Cherry, One and Two Year, that promise very fine.

While we grow Cherry in larger quantities than any other Stock, we also have a very complete line of the following:

Apple, Std. Pear, Plum, Peach, Roses, Shade Trees, etc.

CAR LOAD LOTS A SPECIALTY.

KNOX NURSERIES

CHERRY TREES from Indiana.

PECAN TREES, Paper shell sorts from our branch nursery in Monticello, Florida.

H. M. SIMPSON & SONS,
Vincennes, Indiana.

When writing to Advertisers mention The National Nurseryman.



Everything in
Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

ANNOUNCEMENT

Commencing with the first day of June of this year, we are the American Agents for the firm of

Levavasseur & Fils of Ussy,
France.

Their prices will be in full competition with those of other reputable Growers. Be pleased to reserve a liberal share of your orders for our friends.

August Rölker & Sons

New York P. O. Box 752, or 31 Barclay Street

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested.

Grape

All Old and New Varieties
Immense Stock Warranted True
QUALITY UNSURPASSED
Catalogue and Price List Free.

An extra fine stock and full assortment of varieties of CURRANTS and GOOSEBERRIES; also BLACKBERRY ROOT CUTTING PLANTS.

T. S. HUBBARD CO.,
FREDONIA, N. Y.

Vines

Send list of wants for lowest prices
c. o. b. here.

WANTED :

A competent young man with nursery office experience. Permanent position for the right man. Give references and state experience.

GLEN SAINT MARY NURSERIES CO.

GLEN SAINT MARY, FLA.

W. FROMOW & SONS, Windlesham, England

We have a great assortment (250 acres) of first-class general HARDY NURSERY STOCK, including a fine lot of RHODODENDRON, Coniferous Evergreens, HYBRID and other ROSES; Manetti Rose stocks for budding or grafting, and the finest stock in existence of the true GOLDEN PRIVET. Also an immense stock of young stuff, well rooted, for Nurserymen's own planting. Let us appraise your wants for Fall 1908, or next Spring delivery. Address our American Agents, also for latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

THE WINFIELD NURSERY CO.

Winfield, Kansas, yet have to offer 1-2 and 9-16 inch **Elberta**, a few **Speciosa Catalpa**, some fine, well grown **Shade Trees** and a small quantity of well home grown and **Imported Mahaleb**.
Watch our future advertisements.



The Winfield Nursery Co.
WINFIELD KANSAS

B. E. Fields & Son FREMONT, NEBR.

**Offer For
Late Fall Shipment 1908
Spring 1909**

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS.

500,000 1 year GRAPES that promise to be fine.

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar 1 and 2 years. Branched and Whips.

Catalpa (Speciosa) Catalpa

Elm, Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Spring, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

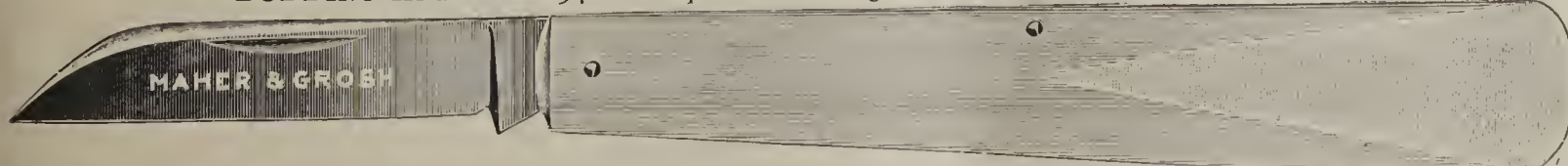
LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere.



BUDDING KNIFE No. 94. Sample by mail 25c: 6 for \$1.25.



PROPAGATING KNIFE No. 89 1/2—50c. Blade Closes. You have paid 75c for a much poorer knife.

NURSEYMEN'S KNIVES

Hand Forged Razor Steel Warranted

Nursery Pruner	-	50 cts
Pocket Pruner	-	60 cts
Pocket Budder	-	35 cts
Pocket Grafter	-	40 cts

We Solicit Direct Trade

Send for 12-page Special Nursery Catalogue

90 ADAMS STREET

MAHER & GROSH CO.,

TOLEDO, OHIO

When writing to Advertisers mention The National Nurseryman.

ESTABLISHED 1880

Special Offers for the Fall 1908

Large stock of 2 yr. Apple in both Buds and grafts.
Peach one year largely 5-8 and up.

Early Harvest B. B. root grown plants in both one
and two year.

General line of nursery stock at lowest prices.

Send want list for special prices.

Parsons Wholesale Nurseries

E. P. BERNARDIN PARSONS, KANSAS

North Carolina Natural Peach Pits

You always have a stand of healthy seedlings when
you plant North Carolina Naturals. Orders will be booked
now and filled in order booked. Let me hear from you
with estimate of wants and I will make prices right.

REFERENCE BRADSTREET.

Address, JOHN A. YOUNG

GREENSBORO NURSERIES,

GREENSBORO, N. C.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees,
Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seed-
lings, including Catalpa Speciosa. Small Shrubs for transplanting.
Special prices quoted on Snowballs, Spirea Van Houttii, Revesii,
and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft.
Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

FOR SALE

A few thousand peach in commercial varieties. Fall 1908.

R. R. HARRIS, Harrisville, W. Va.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

The Cureton Nurseries

AUSTELL, GA.

I have some large Magnolia Grandiflora, Catalpa, Arborvitae,
2 and 3 years old. Also 7,000 Pecans, English and Black Walnut
Trees, 3 years old. This stock must be cleared of the land this
fall. Prices attractive.

Try some of my Martin's September Peach. I will let you have
the Trees and Buds too. General line of other Nursery Stock not
mentioned above. Write for prices to-day.

JAMES CURETON, Proprietor

When writing to Advertisers mention The National Nurseryman.



HEIKES -- HUNTSVILLE -- TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909,
Pears, Plums, Cherries, Peaches, Roses, and
Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other
nursery in the United States. Our stock for the coming season,
while not as large as usual, will be sufficient to enable us to make
reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early
Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess
d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and
Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock
of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both
in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These
are grown at our branch nurseries at Biloxi, Miss., where the condi-
tions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of
the favorable conditions found there for their propagation. Our
stock is large, consisting principally of Hybrid Perpetuals, Mosses,
Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by
W. H. Bell, the Superintendent of these nurseries. It does the
work perfectly and will be on exhibition at the Nurserymen's
Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

THE YOKOHAMA NURSERY CO., Ltd. 31 Barclay Street, New York

IMPORTERS OF Japanese Nursery Stock

LILIES, PEAR, CHESTNUT
AND WALNUT SEEDS, ETC.

Ask for quotations. Illustrated
General Catalogue of our Yoko-
hama House free on application.

MAIN OFFICE :

31 NAKAMURA, YOKOHAMA

BRANCH OFFICE :

CRAVEN HOUSE, LONDON

When writing to Advertisers mention The National Nurseryman.

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company
AURORA, ILLINOIS

PEACH SEED

FROM THE PEACH BELT OF NORTHERN OHIO CROP 1907 (SUN DRIED) FINE SHAPE. CROP SHORT. ORDER AT ONCE. FIRST COME, FIRST SERVED.

WRITE FOR PRICES

C. G. NIEMANN, Port Clinton, O.

STRAWBERRY!

RASPBERRY!

BLACKBERRY!

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

Red Star Raffia MUST "Make Good"

We stand ready to replace any that proves inferior. That is why you take no risk in trying it, and once used—especially if you have ever been fooled on the so-called cheap, promiscuous brands—you will always insist on having "RED STAR." Strands are long, strong and of good color. Send for free sample.

FRUIT TREE SEEDS

Too early to predict the harvest, but those who order now will fare better than the late arrivals.

TELL US YOUR WANTS NOW.

Thomas Meehan & Sons, Inc.
DRESHERTOWN BOX T. PA.

DREER SPECIALS

For FALL 1908

PÆONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of
HARDY PERENNIALS

Including the New Hardy

TUNICA SAXIFRAGA FL. PL.

(Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PÆONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

NEW NEW

RAMBLER
NEWPORT FAIRY

WRITE FOR ILLUSTRATED
PAMPHLET AND PRICES

We also have on hand
splendid lot of clean fresh
Boxwood and Bay Trees, etc.

Write for Special Wholesale Price List

JULIUS ROEHRS COMPANY
RUTHERFORD, N. J.

ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas,
Climbers, Ramblers, — THIRTY types in all. Enormous
quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may
be had by addressing his Sole Representatives for the
United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry
Plant Orders

FOR SEVERAL years I have been filling strawberry
plant orders for a great many leading nurserymen.
Most of these send me their shipping instructions
and tags and I ship direct to their customers. As this
seems to be the best way for nurserymen to have their
strawberry plant orders handled I am preparing to greatly
improve my facilities for this work and to make it one
of the main features of my business. The additional
charge made for handling orders in this manner is very
small, just enough to pay the additional expense of bill-
ing out small orders. I also ship plants direct to nur-
serymen who wish to bill out their own orders.

The extensive improvements I expect to make this
summer will enable me to give all nurserymen prompt,
accurate and careful service.

If you buy strawberry plants get in communication
with me before contracting for your next season's supply.

W. W. THOMAS
THE STRAWBERRY PLANT MAN
ANNA, ILLINOIS

200 ACRES IN PLANTS

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

Bryant's Nurseries

PEONIES

50,000 to offer for fall of 1908.

Let us figure on your wants.
Also have an exceptionally
large stock of forest seedlings
in Box Elder, Catalpa Speci-
osa, Elm Mulberry, Black
Walnut, and Soft Maple.

Ornamental Shrubs

all sizes by the thousand in Altheas,
Barberry Thunbergii, Dogwood,
Spirea Van Houttii, Persian and
Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

THE Wisconsin Nurseries

MR. WHOLESALE NURSERYMAN have you us on your list?

We do an exclusive retail nursery trade and are always on the market for APPLE, PEAR, PLUM AND CHERRY. We also buy large quantities of small fruits. So, if you have a surplus in these lines you should get next at once.

W. J. MOYLE, Proprietor

The Wisconsin Nurseries UNION GROVE, WIS.

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere.

Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

WANTED

Experienced nursery office man who wishes to live in Semi-Tropic Gulf Coast country, permanent position or interest in business on ground floor terms. Give references and state experience.

Homeseekers' tickets cheap from all points north and east to this section.

Griffing's Semi-Tropic Nurseries,
McALLEN, TEXAS.

TAKE NOTICE

500,000 PEACH TREES FOR FALL, 1908

ALL THE LEADING VARIETIES
CAN SHIP IN CAR LOAD LOTS

APPLE, PEAR AND PLUM, one and two year old

CHERRY, one year, fine assortment

CAROLINA POPLARS, MAPLES,

ARMOR RIVER and CALIFORNIA PRIVET

GENERAL LINE OF OTHER NURSERY STOCK

WRITE FOR PRICES

COMMERCIAL NURSERY CO.

WINCHESTER, TENN.

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

THE NEW
HYDRANGEA
ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost
J. W. McNARY,
316 W. Fourth Ave., Dayton, Ohio.

WOOD LABELS FOR NURSERYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR SPRING, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

ESTABLISHED 1859

PEACH SEED

We have yet on hand several hundred bushels of choice Peach Seed, all crop of 1907, which we offer at liberal prices and terms for immediate delivery, or for spring planting. Sample and prices cheerfully furnished.

W. W. Wittman & Co., Baltimore, Md.

BOX 451.

Phone St. Paul "4382"

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

When writing to Advertisers mention The National Nurseryman.

Nursery Stock makes heavy demands on the soil—

POTASH

Supplies the Demand

and prepares the young tree for future fruitfulness. Don't expect to grow disease-resistant stock on exhausted ground, but replenish the soil with a fertilizer supplying needed Potash, Phosphoric Acid and Nitrogen.

For interesting information about Potash and its important rôle in the nourishment of trees, shrubs and plants, address

GERMAN KALI WORKS

New York—93 Nassau Street
Chicago—Monadnock Bldg. Atlanta, Ga.—1224 Candler Bldg.

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

WANTED

Experienced Fruit Nurseryman to operate and manage a new nursery. Must be an extra good and up to date man and thoroughly know all branches of nursery work such as spraying, budding, grafting, pruning and other details necessary to be a success in the business. No chance for any "has been" or drinkers.

Would give the right party an interest in the business after he had established his fitness and will put things in shape so there would be no excuse for failures if party knew his business. Want man to make my interests his and one looking for a future.

Address "MICHIGAN"

In care of THE NATIONAL NURSEYMAN, Rochester, N. Y.

Hardy Border Plants

COREOPSIS—Shasta Daisy.

GAILLARDI—Sweet William and all leading Perennials.

AURORA NURSERY CO.

AURORA, ILLS.

When writing to Advertisers mention The National Nurseryman.

2 1/2 Inch Pots

ROSES

4 Inch Pots

On own roots, summer grown, winter rested, for lining out.

Send want
list to

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

400 Best
Varieties

FOR SALE

A retail nursery and fruit farm of 45 acres. Price \$7,500.

Easy terms.

Inquire of

CALEB SUTTON, Franklin, Pa.

H. R. McNAIR

DANVILLE, N. Y.

WHOLESALE NURSERIES

WRITE FOR PRICES ON

PEAR, PLUM, QUINCE AND
CHERRY TREES

On Your TRIP TO HOLLAND do not Fail to Come and See

The Royal Nurseries

GROENEWEGEN & SON
DE BILT, NEAR UTRECHT

SPECIALTY—First Class Ornamental Stock. Specimen Trees for Parks, Lawns, Avenue and Roadside.

London Plane, Schwedleri's Maple, Lime Dasystylla, Horse Chestnut, White and Red Flowered Thorns, Standard Pauls Scarlet, Elms large leaved, Wheatleyi Elm.

Hydrangea Paniculata Grandiflora, Variegated Negundo's, Pear Pyramids, extra fine, extra fine strong Figs, Walnuts, Filberts, Medlars, etc.

Street Cars for De Bilt every half hour in Utrecht Central Station. Will meet visitors in Utrecht when advised in due time.

F. E. SCHIFFEIB

FREDONIA, N. Y.

Grape Vines and Currant Plants

NEW FRUITS A SPECIALTY

CORRESPONDENCE SOLICITED

WANTED

A position by high-grade office man. Several years experience with catalogue house. Thirty years of age; married; no bad habits. Good salary expected. Address Lock Box 55, North East, Erie Co., Pa.

PRINTING

Catalogues, Price Lists, Order Blanks, and anything Nurserymen require. Stock Catalogue. Moderate prices for high grade work.

W. F. HUMPHREY, Geneva, N. Y.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof-cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in.—Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



Flemish Beauty Pear.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it, Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

Shrubs

Evergreens

Roses

Hardy Plants

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen—Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

ROSES

Own Roots and Budded. Big blocks and fine stock. Two year old
No. 1 plants. Will be graded right up to the "J. & P." standard.

A Few of the Good Ones to be had Now:

Crimson Rambler
Lady Gay
Hiawatha
American Beauty
Anne de Diesbach
Ben Cant
Caroline de Sansal
Coquette des Alps
Caroline Marneise
Frau Karl Druschki
Fisher Holmes
General Washington
Gruss an Teplitz
Hugh Dickson
John Hopper
Jules Margottin
La France
Magna Charta
Mrs. John Laing
Margaret Dickson
Marchioness of Lorne
Mary Washington
Mrs. Cleveland
Oakmont
Paul Neyron
Pierre Notting
Ulrich Brunner

Dorothy Perkins
Minnehaha
Trier
Alfred Colomb
Bob Davison
Baron de Bonstettin
Clio
Coquette des Blanches
Caprice
Francois Levet
General Jacqueminot
Gloire Lyonnaise
Gloire de Margottin
Harrison's Yellow
John Keynes
J. B. Clark
La Reine
M. P. Wilder
Mrs. R. G. Sharman—Crawford
Mme. Georges Bruant
Mme. Gabriel Luizet
Madame Plantier
Marchioness of Dufferin
Persian Yellow
Prince Camille de Rohan
Pride of Waltham
Victor Verdier

Ramblers

Climbers

Mosses, etc.

SEND LIST OF WANTS FOR PRICES.

P. S. Newark is headquarters also for Clematis, Tree Hydrangeas, Ampelopsis, and
some other specialties which our soil and climate produce to perfection.

Jackson & Perkins Co.

Dispensers of "The Preferred Stock"
Grown at NEWARK, in WAYNE COUNTY
NEW YORK STATE

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall
delivery, from 10 inches to 3 feet.



ALTHAEA
MEEHANII

(Hibiscus Syriacus)
(Newvariegated
single flowering
Althaea).

Field grown
DOROTHY
PERKINS,
CRIMSON
RAMBLER,
and MARIE
PAVIE Roses.
AZALEA

INDICA,
CAMELLIA,
MAGNOLIA
grfl.,

WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP

POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::

AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman

When writing to Advertisers mention The National Nurseryman.

Things Doing in Harrisburg

THESE are busy days in the Mount Pleasant Press building. All previous July records have been broken, in amount of work executed and volume of business booked. August and September will be months of quite as much hustle as is comfortable, probable weather considered, while the usual winter rush promises to begin in October, a full six weeks earlier than usual. Here are some of the things which are keeping The Publicity Service, Photograph Division, Art Department and Engraving rooms busy night and day, running the type rooms and electrotpe foundry well up to their capacity, and making the presses hum along at a merry clip.

Catalogues and Booklets

Bigger and better books for the entire line of old customers, almost without exception—McFarland quality brings business in such volume, even in "hard-times" years, as to make continued improvement of catalogues practicable and desirable. Three or four large editions for former patrons who have been off trying "cheap" printers, but who are glad to get back in the fold, having found by sad experience that McFarland work actually costs less per unit of selling power than any other. Any number of jobs from concerns who are with us this year for the first time—including bulb catalogues for four of the oldest and best known houses in the trade, and some nursery books which will establish new standards of quality. Several runs for firms outside the horticultural field which have been looking for selling service of the worth-while kind—and have found it in the daily practice of the McFarland organizations.

Periodical Advertising

Last year's customers of The Publicity Service are with one accord renewing contracts—raw and crude as was some of its first work, The Service produced "copy" that brought better returns than any that these good friends had been able to get from other advertising organizations. New accounts are coming in with cheering frequency—horticultural tradesmen looking for sympathetic and informed advertising service are learning where they may secure it. "The Picture in Advertising," motto of The Publicity Service, with its photographic exposition, is attracting business from outside fields—general advertisers are coming to know the value of pictures that convey a clear idea of the thing advertised. No small factor in the increasing patronage and success of The Service is its policy of regarding magazine and newspaper space as a part only of any campaign entrusted to it—of emphasizing the importance of proper "follow-up" methods and effective printed matter

"Follow-Up" Means and Methods

In season and out of season, the McFarland organizations have contended that the possibilities of trade for nurserymen, seedsmen and florists could never be fully realized until the selling methods adopted took on the elements of persistence and originality so widely characteristic of sales-effort in other lines—and the facts are bearing out the contention. One mail-order florist has been getting over \$10 in direct cash returns from each \$1 expended for material, labor and postage on a series of our pictorial mailing cards—and this after the height of the season in his line had passed. Other customers have secured just as good returns from these cards—and we've devised numerous other forms of "follow-up" which have been equally effective. "Follow-ups" of the right kind work wonders in making catalogues do their task perfectly—and turn defeat into victory on otherwise unprofitable advertising campaigns.

New and Rare Photographs

The Photographic Department of the McFarland Organizations has been busier this season than in any preceding year. One expert photographer is in Europe for the season. Another has been in New England from the time of the earliest spring flowers, getting all sorts of fine new stuff for stock. Still another has been on the road almost the entire season, making special photographs for booklets and catalogues,—his territory ranging from the Carolinas to Massachusetts, and from New Jersey to Wisconsin. In the home studios, a large number of new subjects have been photographed for stock, several photographers being kept busy.

Finally—"Hot Off the Bat"

In the plant of the J. Horace McFarland Company there is room for a few more catalogues during August and September. "Standing Room Only" sign up about October 1.

The McFarland Publicity Service—with three times the floor space and four times the force it had a year ago—is ready to serve a fairly large number of additional customers with advertising campaigns, "follow-up" material and constructive work in selling literature.

You can become a customer of one of the McFarland organizations without obligation to buy of the other. The J. Horace McFarland Company prints many catalogues with which the Service has nothing to do. The Service plans and writes some catalogues that are printed elsewhere—and is open to engagements to do more of this work.

Where does our equipment fit your needs?

The McFARLAND ORGANIZATIONS

J. HORACE McFARLAND COMPANY, Constructors of Catalogues

THE McFARLAND PUBLICITY SERVICE, Builders of Business

MOUNT PLEASANT PRESS : HARRISBURG, PENNSYLVANIA

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

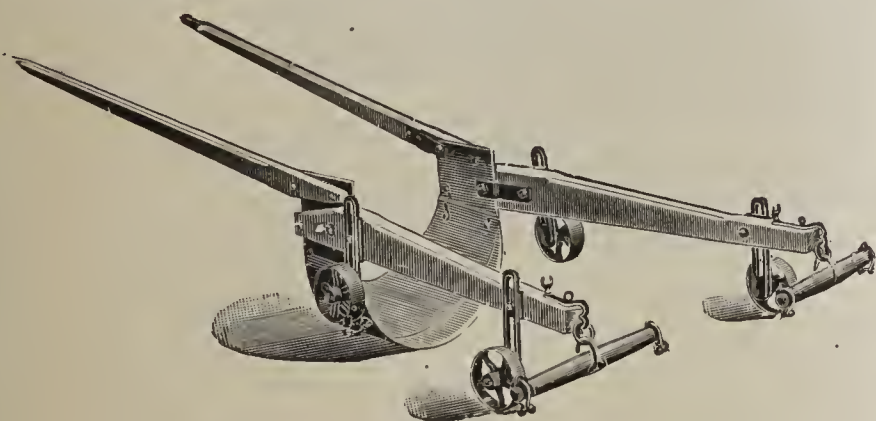
Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

1857-1908

L. G. BRAGG & CO.

Growers of
No. 1 NURSERY STOCK

Also Manufacturers of
Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day, and
only needs same power as a plow.

L. G. BRAGG & CO.
KALAMAZOO, MICH.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



Magnificent specimens of Lawson's Cypress, [*Cupressus Lawsoni*] in Botanic
Gardens, La Mortola Ventigimila, Italy

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., AUGUST, 1908

No. 8

EDITORIAL WANDERINGS IV.

In passing through the great plain of Lombardy in winter, the traveller's eye is caught by the regularity of the fields as outlined with great uniformity by the rows of sheared mulberry and poplar trees. The shearing of the trees accomplished a two-fold purpose. The fuel which the twigs and branches furnish is an important item while the diminishing of the top lessens the amount of shade thrown upon the surrounding crops. This custom of shearing trees in streets, squares, parks and public places is very general in northern Italy and parts of contiguous Switzerland. The same purpose holds in each case. In winter, the trees look curiously contorted and gnarled but, in summer, the shade provided is dense and grateful.

In the cities around Lake Geneva a considerable revenue is derived from the sale of this faggot wood. This is an important matter in many of the toy villages along lake and on mountain. The amount of wood wasted in one year by some New York farmers would keep some of these villagers in heating material for that length of time—such is their economy and thrift. In the wood yards, one finds faggots in neat bundles, the larger sticks on the outside with the twigs (like small apples in the center of the barrel) for "filler" in the middle. Charcoal and coke are found almost everywhere in northern Italy and Switzerland. Charcoal is burned by the mountain peasants in the more inaccessible parts of the hills. It is brought down to the villages in huge sacks either on donkey's backs or on the backs of men and sometimes women. The murky looking men one comes across are these charcoal burners of the Riviera and Apennines. The loads they carry down are incredible. They certainly possess strength and endurance to a remarkable degree. What do they eat? Their diet is certainly

simple; corn and wheat bread baked as hard as a brick, olive oil, macaroni and native wine. They are not meat eaters but they can "show the goods" when it comes to manual labor.

FARM LABOR IN ITALY.

It is only when the traveller strays from the beaten track of the tourists and out among the people that the real conditions of living are revealed. It is not surprising that the United States and the South American countries are receiving thousands of Italians every year. The life of the

farm laborer is not a happy one in most sections. His hours are from "sun up to sun down"; his master is exacting and his pay small. Think of it, in many parts the laborer gets not more than thirty cents a day (one and one half lire)! The highest I heard anywhere was three lire, 60 cents, and the laborer who gets that boards himself.



A Ligurian peasant at the Italian Riviera. Note the slow, Primitive method of plowing. Photo by J. Craig.

When in the vicinity of Rome in the latter part of May, we saw hundreds of haymakers on the Campagna swinging the short, heavy Roman scythe, raking, stacking or pitching at two lire (40 cents) a day. Some of these laborers live in caves or dugouts in the soft volcanic rock of the region. This is the section where malaria has worked so viciously from time to time. But the field work is not by any means, all done by the men. The women are as active and efficient as the men and are found in the field, vineyard, but more especially in the vegetable gardens where their patience and skill bring splendid results.

As the manufacturing industries of Italy increase, the drift from country to city will strengthen while emigration to America will probably weaken. After a careful examination of the habits of these people, I am not prepared to endorse the term "lazy Italians." It does not apply in

their native land, at least. Whether they become infected with microbe of laziness under American influence is another story.

THE HILL GARDENS OF SWITZERLAND.

Switzerland may well be called the show place of Europe. It is on exhibition all the year round. Time was



A Mountain foot and donkey foot in the Olive Groves of North Italy.

when it was a summer resort only but now many parts draw more tourists in winter than in summer. The attractions of snow and ice now draw the Englishman and the German, who is becoming a great traveller, as much as the rocks and mountains did formerly.

The hill gardens and the little parks about the hotels are specially entertaining. These illustrate very forcibly the possibilities of "handkerchief" gardening. Every foot of space is utilized and every pound of soil put to use. As one looks on the miles upon miles of stone terraces and retaining walk used in making the hillsides available for grape vines and fruit trees, he wonders how the people have found time to do anything else. Every peasant can put up a stone walk with or without mortar or cement. By the use of the terrace, the side hill can be utilized. They are so steep that one is reminded of Sol Smith Russell's statement in regard to "hillside farming" in New England "where the hills are so steep that the pumpkins sometimes break loose and roll down and brain the people in the valleys." The stone terraces furnish background where the aspect is right for the training of pear and peach trees, or occasionally are covered with pendant vines.

Think of transporting the necessary fertilizer in a basket on a man's back up these terraces! Yet it is done. In fact, man is the only beast of burden usable in the steeper vineyards. The manuring is quite thoroughly done. The grape-wood as well as the fruit is carried to lower ground when the former is used for fuel and the latter taken to the press. No fertilizing material of any kind goes to waste in this country. The gardener who goes to town with a load of fruit or vegetables nearly always manages to return with

a load of refuse of some sort which sooner or later is converted into fertilizers and is used on the garden or vineyard. In spite of the terraces, the soil washes to the lower side and must be carried up again in baskets. This sounds like small business to the American farmer but thousands of acres of vineyards are managed in just this way in Switzerland.

GARDENING IN CENTRAL AND NORTHERN ITALY.—ROSES OF THE RIVIERA.

We were fortunate in being able to spend the latter part of April and the forepart of May in the most picturesque part of Italy—the Italian lakes excepted—namely in the Riviera. There are two parts of this Riviera region or the country which lies along the Mediterranean, that which is in France and that which lies in Italy. The Italian Riviera runs practically from Genoa on the east to the French frontier on the west upwards of one hundred and twenty miles. The coast is irregular, sometimes bold and rocky, again level and gardenlike where the small rivers empty into the sea and always clad with the gray foliage of the olive and in summer livened with the green tints of the vine. One of the charming features of the region is the "cornice" road, elsewhere described—alike the delight of the pedestrian and autoist—although the frequent curves are not conducive to "scorching." The road is often carved out of or rather into the cliff three or four hundred feet above the sea thus affording magnificent views and grand vistas in its serpentine windings.

But I intend to speak of the gardens. It is wonderful what can be done on these rocky hillsides in the way of developing gardens. April and May are the months of the roses. No description can convey an adequate idea of



The season of the Narcissus Les Avants, Switzerland.

the wealth of bloom one finds in these gardens during this period. Teas and the other tender roses are quite at home while Banksiae red and white, clamber over arbors and run riot in the tree-tops. Undoubtedly, the handsomest and most striking rose we saw early in May was Fortuneana yellow climbing rose. It was also the commonest. Sometimes, this rose formed a mass of bloom enveloping the tops

of three or four large olive trees or covered an entire arbor or pergola. It was not at all uncommon to find fifteen or twenty kinds of roses in one of these amateur gardens. The hardy annuals bloom in April and May also. This section is much liked by English tourists many of whom are fond of gardens and gardening hence the high standard attained in regard to culture and varieties.

VEGETABLES.

These are all cultivated on the lower levels where irrigation is practicable. The Italian gardener while untiring and fairly intelligent does not seem to have grasped the first principles of good tillage. The soil work is all done by hand except in the large gardens. The soil is dug deeply before planting, smoothed and is again stirred deeply after the crop appears. Little surface tillage is given afterwards. The gardener depends upon irrigation for the necessary moisture. He does not try to conserve soil moisture by surface tillage but if the weather is dry he opens little ditches and turns on the water. Most gardens are supplied with water from large wells. It is raised by horse-power in buckets attached to an endless chain. These buckets empty automatically into another and higher cistern or directly into a trough. In one large garden, I saw a gasoline engine at work but the horse or donkey furnishes most of the power in raising water for irrigation. One feels perfectly certain that better tillage

artichoke is everywhere and of fine quality. Ferrocei a species of fennel with fleshy stalks blanched like celery is much cultivated. Peas and beans are plentiful and delicious while curled lettuce and cos lettuce (a cabbage strain)



Collection of Succulents in La Mortalo Botanic Gardens. Photo by J. Craig.

is general and much appreciated. The cos lettuce is always stewed and served as a cooked salad. All the cabbage tribe are harvested in April, May and June. I am told there is a greater dearth of these in summer and autumn than spring. But then Italy has her cool mountain regions as well as her low warm sections.

One of the great pleasures of my stay on the Riviera was a visit to the Botanic Garden La Mortola of the late Sir Thomas Hanbury at Ventigimilia not far from the notorious Monte Carlo. Sir Thomas was an Englishman who amassed a fortune in China and was attracted to the Riviera by the salubrious climate and its plant-growing possibilities. Here about fifty years ago he bought an old castle surrounded by a tract of rocky and mountainous land washed by the Mediterranean and proceeded to build a home after his own mind. The garden idea gradually expanded until it became a veritable storehouse for native and exotic plants adapted to the region. Sir Thomas Hanbury died about a year ago but he had the satisfaction of leaving in his well equipped Botanic Garden an institution not only of great value to Italy but to all countries having similar climates. The curator of the garden issues an exchange



Grape Vines trained on trees, Pisa, Italy. Photo by J. Craig.

would obviate the necessity for much of the irrigating now practised.

The vegetables grown in winter and harvested in early spring include most of our summer kinds with a few additions. Asparagus is common and of good quality. Globe

list of seeds each year which is available to other institutions or individuals interested in the testing of foreign varieties. The garden is now supported and will be continued by Lady Hanbury and her son. Those desiring the seed and plant exchange lists should address the

Curator of La Mortola Botanic Gardens, Ventigimila, Italy.

In passing, I may remark that the Botanic Garden is an old institution in Italy the first one having been founded in Pisa—the city of the leaning tower about the middle of the 16th century. During a recent visit to that city I found a Botanic Garden connected with the ancient university but was unable to ascertain whether it stood on the site of the original garden or not.

There is one thing which strikes the visitor very forcibly in connection with Botanic Gardens in Europe and that is—they are visited by the common people. While at Innsbruck in the Austrian Tyrol a short time since, I was very much impressed by the large number of working people to be found on Sundays and holidays (and there are lots of the latter in Catholic Europe) in the parks and Botanic Garden. They came to see and learn the trees and plants. Some of the plants in the Botanic Gardens are often arranged with the special intent of catching the popular eye. Groups of

food-producing, of spring-flowering, of summer-blooming, autumn-blooming and the like are to be found which convey direct lessons of considerable value. Here in Freiburg on the edge of the Black Forest of Germany we are just passing from the strawberry to the cherry season. The sweet cherries are in the market in great profusion. Cherries of the black Tartarian and light ones of the Windsor type prevail

but they do not seem to me to be quite as sprightly in flavor as the home New York grown variety. Perhaps, this is patriotic bias—but it is an opinion supported by other members of my family. Nectarines are now in but they are flat in taste as well as in shape and add little to the joys of dessert. Early pears and apples are appearing while the fruit stalls show fine specimens of Calvillis and Reinettes.

A WORD FROM AN ABSENTEE.

A rumor has come to me that the most successful convention in the history of the Association was pulled off in Milwaukee last month. This was according to my prophesy. It could not be otherwise with a hustling executive like President Hill supported by his strong committees. And this is no reflection on previous officers or meetings, for improvement is the order of all progressive association men especially that of the nurserymen. I am quite in the dark as to the action of the convention. My correspondents, the treasurer and others had not got the cobwebs of the meeting out of their grey matter when they wrote so that I can only make a guess at the gist or trend of events. The pro-

gram, however, promised large things and I have no doubt the promise was fulfilled. Nurserymen are making plans for fall trade and I hope their hands will be full of good business.

There were certainly a number of good questions in the query box. These should have elicited lively discussions. I hope they saw the light of day. For instance, the question "Does not the average nurseryman import nursery stock that can be grown at home? and if so why?" He certainly does import much stock that might be grown at home, but if he can buy the same stock cheaper than he can grow it he should do so if he intends to stay in the business. I say the same stock, I mean stock equally good in every way. The European nurseryman can and does grow just as good stock as the American and on account of cheaper labor at very much less cost. This applies with special force to ornamentals and dwarf stock. It is conceivable that these conditions will change in the future and that the South and

Southwest will strongly compete for this European trade but such are the conditions at present. I've seen as fine American plants in European nurseries as are to be found in America. The question of patenting or trade marking our fruits is old but ever pressing. I don't believe it can be done for we must ever reckon with the variability of nature and the influence of soil and climate. "The cost of growing stock"

was discussed very interestingly by Mr. Bird at a previous meeting and I am sure he added valuable information to that already presented. It seems a pity that Dr. Howard, head of the Bureau of Entomology, Washington, was not present to give his views on the question of national inspection. But this problem is still before us and other meetings are coming.

The lists of desirable fruits for the different states as presented by veteran observers like Messrs Hobbs, Van Lindley, Heikes, Youngers and others will be of great value to the younger growers. These lists will be presented to our readers in early issues of the NATIONAL NURSERYMAN.

Freiburg, Germany.

JOHN CRAIG.

July 3, 1908.

Enclosed find \$1.00 for subscription to your "National Nurseryman," as I feel that I would be losing a good deal by not subscribing to it. Thanks for sample copy.

Yours very truly,

CLARK NURSERY COMPANY.



Lausanne, Switzerland with the snow capped French Alps in the distance, and Lake Geneva in the middle of the foreground.

PRESIDENTIAL ADDRESS OF J. W. HILL.

MILWAUKEE, Wis., June 10, 1908.

Little, did the few, faithful men who met a third of a century ago realize the future magnitude, influence and benefit of the organization which they at that time brought into existence. Today it is regarded as a strong, complete organization of the best men on the American continent; men, whose lives are largely devoted to that noble vocation which has for its object the betterment and uplifting of mankind, for what class of men does more toward beautifying the home and providing for its occupants, the luscious and healthful fruits of the orchard, vineyard and garden?

Few of us likely realize the magnitude to which this business has attained. There are today invested in the nursery business of the United States more than Sixty Millions of Dollars, and employment given to about Fifty-five Thousand men and Three Thousand women. The use of 18,300 horses and mules is required to cultivate a little over 200,000 acres of land, upon which are annually produced 4,200,000,000 plants and shrubs, and 622,000,000 trees. Thus you can imagine something of the importance of this organization of business men.

Absent Members.—Looking over the audience, we miss the familiar faces of some whom it has been our pleasure to meet annually for more than a score of years. The great reaper with his sickle has made inroads upon our Association during the past year, and removed from us some of our best known members and wisest counsellors. They are gone from among us forever, but the membership of this organization will ever hold in fond remembrance their valued service and wise counsel.

The Panic.—During the past year we, like all other business men of the country, were brought face to face with a financial depression which resulted in what ex-Secretary Sharo claims to be "the worst panic the world has ever known." This condition of affairs arose last fall at the time the retail nurseryman was making his shipments, and in many places poor deliveries were made, or clearing house certificates, notes and other evidences of indebtedness were taken in payment for trees. But with the readjustment of affairs, these have been promptly met, Congress has just passed the Compromise Currency bill, and we are now, I trust, over the roughest places with nobody badly hurt.

As far as I am able to learn, the outlook for future business is good with such indications as to justify us in thinking

that the present satisfactory wholesale prices will be maintained, but the practice of our wholesale men in placing surplus stock on the market late in the season, at greatly reduced prices, I think is demoralizing and should be discontinued.

I am inclined to the opinion, however, that the retail nurserymen, who constitute a large portion of the membership of this Association, is not getting from the planter prices commensurate with the total cost of stock handled. These prices should be advanced and can be gradually brought about by handling only first-class trees of the grades specified and consigning the inferior stock to the brush pile rather than disposing of it to department stores and unreliable mail-order concerns which dump it on the market at ridiculously low prices, in competition with dealers of first-class trees. Tell your customer the truth, furnish him first-class stock, charge him good prices for it, and you will

soon find him taking care of it and willing to pay you the right prices for good trees.

Inspection Law.—The kindest feeling exists between the American Association of Nurserymen, and the organization of Economic Entomologists and Horticultural Inspectors, as was manifested by the hearty co-operation of committees from these societies with that from our

Association at Chicago last winter. The report of ex-President Orlando Harrison, Chairman of Committee on Uniform Inspection Law, will no doubt set forth the resolutions unanimously agreed upon by these organizations, which were to be the basis of the proposed Uniform National Inspection Law. It was greatly desired that this proposed bill be introduced and be made a law by the session of Congress which has just adjourned, but Mr. Harrison deemed it not advisable to present it at that session.

I am, personally, of the opinion that the enactment of the law proposed would do much to obviate the many vexatious and annoying conditions which arise under the present situation, and advise that it be vigorously pushed by this or a similar committee before the next session of Congress or else the matter be dropped entirely and further expense avoided.

Transportation Committee.—We cannot over-estimate the importance of the Transportation Committee, and while nothing requiring special attention has occurred during the past year, yet I am inclined to think there may be much to look after in the near future. A recent movement on the



Showing the terraced vineyards bordering Lake Geneva, Switzerland. A "Funiculaire" railway in centre of picture.

part of the railroads has been inaugurated for the advance of freight rates. The Industrial Traffic League at its meeting in Chicago a short time since, carefully considered this matter from the standpoint of large shippers, and it was estimated that the proposed increase would aggregate the enormous sum of \$170,000,000, annually. If the proposed advance is permitted, the nurseryman will of course have to bear his share of the additional burden.

The adoption by the Western Classification Association of what is known as "Rule 4," by which Western railroads are to be released from liability for loss or damage to goods in transit, unless 20% is added to the tariff rates, is one which, if enforced, will result in a great hardship upon the members of this Association. This rule, I am informed, became effective on May 20th, but one of the leading western roads notified the Interstate Commerce Commission of its refusal to concur therein. Mr. Stannard, Chairman of the Transportation Committee, inaugurated a plan by which I think the remaining roads may be induced to regard the matter in the same light. Your committee in this and all other matters should receive your hearty co-operation, and every nurseryman should respond promptly to suggestions made by it. I feel that the chairman of this committee should have an emergency fund placed at his disposal to permit his attending the meetings of the classification committees whenever matters of importance are liable to come up, in which we are interested.

Legislative Department.—In this department some good results have been accomplished during the past year in the modification of the South Dakota law, as you will learn from the report of Mr. Pitkin, Chairman of that Committee. The states of Wisconsin and Wyoming, however, have enacted unreasonable laws which have given members of this Association much annoyance and unnecessary expense during the past year. I am advised that the Secretary of Agriculture in one of these states, has been unusually arrogant and over-bearing in his dealings with outside nurserymen making shipments within his territory during the past season.

I recommend that the proper committee be authorized to investigate as to the constitutionality of the laws in these states and Oklahoma, and proceed at once to test the same with the least possible delay. It has been suggested that the Executive Committee be given discretionary power to appropriate funds and to proceed through the Legislative or through their own Committee to test these or any other laws which in their judgment are a menace to the interests of the nurseryman. I shall be pleased to have you give this matter your consideration, thus avoiding unnecessary delay on account of no appropriation of funds except for special cases which confronted your committee during the past year.

I personally wrote the various Vice-Presidents this year, requesting that they keep a sharp look-out for proposed adverse legislation in their respective states during the sessions of their general assemblies last winter, and promptly report same to the Legislative Committee. Few of the states held any session last year, but I urge upon these gentlemen the great importance of watching this matter during the coming winter. The passage of many of these

laws can be prevented if proper action be taken beforehand.

Advertising.—I want to repeat, with greater emphasis if possible, what my predecessor stated at our last session regarding the necessity of giving greater publicity to our products through the medium of newspaper advertising. We are living in the greatest advertising age the country has ever known, as may be easily ascertained by closely examining the columns of our leading papers and magazines. The live, up-to-date nurseryman can ill afford to follow listlessly in beaten paths because they led his father to success, or to continue the methods that he, himself, even adopted ten years ago. We must adapt ourselves to new methods and the changed conditions brought about by this era of advertising.

Exhibits.—I desire in this connection especially to call your attention to that feature of our convention known as "Exhibits" under the skillful management of Mr. Meehan of Pennsylvania, Mr. Bernardin of Kansas and Mr. H. B. Chase, of Alabama. This feature of our annual meetings has been developed until it has become one of the most interesting departments of the Association work. You will find here not only a display of nursery stock, fruits, flowers, etc., which will interest you, but machinery and labor-saving devices, which will appeal to every "wide-awake, up-to-date" nurseryman in attendance. It has required the expenditure of much time and labor on the part of the gentlemen which is greatly appreciated.

Insurance.—The question of mutual insurance among the members of this Association has been given much thought and investigation by the Committee to which it was referred last June at Detroit.

On account of the varied exposure in the different plants and the constantly changing contents of the buildings, it would necessitate a personal examination by a representative of the Insurance department. And on account of the widely scattered patronage which must necessarily be secured, it would be almost impossible for this personal examination to be made without great expense, hence this proposition is deemed impracticable, and we recommend that it be dropped for the present.

Editing Annual Report.—I recommend that the task of editing the minutes of the Association be placed in the hands of a committee of which the Secretary of the Association shall be Chairman. My reasons for so doing are from the simple fact that he is always present at each session of the Convention, and knows more about the proceeding than any other member. In the second place, he is compensated for his services and, in my judgment, this is a part of his work. He can take a portion of his manuscript and edit it at his leisure, thus saving time in completing the work, with the result that the reports will be mailed to the members upon a much earlier date.

Forest Reserve.—The subject of Forest Preservation is one of the most important questions confronting the people of the United States today and one in which, we, as nurserymen, should be vitally interested. If the ruthless devastation of our forests, coupled with the natural demands for lumber and railroad ties, is continued we shall within another decade be confronted by a very grave problem.

We are forest builders and should give every encouragement possible to forest preservation.

Committees.—All committees the past year have performed faithful and efficient work, and I desire to take this opportunity of expressing my appreciation of the same.

Conclusion.—I entertain the hope that the Thirty-third annual meeting of this Association may be one of profit and pleasure. I know something of the vexatious and annoying things with which you have to contend during the year, and it is well that you take a few days off about this time every summer and meet your fellow nurserymen and old friends who will buoy you up and send you back home much benefited by having attended the meeting.

GEORGIA STATE HORTICULTURAL SOCIETY.

The thirty-second annual session and exhibition of fruits, plants and vegetables will be held in the High School at Cornelia, Georgia, on Wednesday and Thursday, August 12th and 13th, 1908, beginning at 10 o'clock each morning.

The Society was organized in 1876 by a few public-spirited citizens, who have faithfully labored since to promote the fruit-growing industry of Georgia and aid in the higher education of its people. They have paid with their purse and person, not only freely giving their labor, but paying for the publication of its proceedings which have been distributed free of charge wherever they could serve the aims of the Society. The only revenue of the Society is derived from the annual membership fees, and, as this is limited, the Society is hampered in its scope. The co-operation of every progressive citizen of Georgia is needed. The past work of the Society has caused a wonderful development of the fruit-growing industry, which of late has given several sections of the State a most rapid increase in land values, as well as an intelligent class of settlers from other States.

The program for the sessions will be unusually interesting many subjects not heretofore included in past discussions will be presented by scientists of national reputation and most successful and experienced fruit growers, thus affording a rare opportunity to all who attend to become familiar with the most recent discoveries in advanced Horticulture. Among the papers which will be presented will be the following:

The Peach Industry of Georgia, by Colonel G. B. Brackett, Chief of the Division of Pomology, United States Department of Agriculture, Washington, D. C.; Soil Preparation, Fertilizers, Cultivation and Marketing Cantaloupes, by W. L. Mardre, Lumpkin, Ga.; Address by Andrew M. Soule, President State College of Agriculture, Athens, Ga.; Address by a representative of the Land and Industrial Department of the Southern Railway Company; Paper by G. H. Miller, Rome, Ga.; Paper by Jno T. West, Thomson, Ga.; Report from E. L. Worsham, State Entomologist, upon the past year's work of the State Board of Entomology; Report of effect of Spraying with Lime-Sulphur Wash and on Red-Headed Fungus as parasitic on San Jose Scale; Paper by Prof. R. S. MacKintosh, Auburn, Ala.; Paper by Prof. C. L. Newman, Horticulturist, Clemson College, S. C.; Paper of New Fruits by Prof. T. H. McHotton, Georgia State Experiment Station; Climatology and Soil in their Influence on

Fruits; Preserving and Canning Fruits and Commercial Sale, by Col. Jno. A. Cobb, Americus, Ga.; Cherry Growing in the Upper Districts, by John T. Fort, Mount Airy, Ga.; Apple Culture in Upper Georgia, by H. A. Staight, Demorest, Ga.; Good Roads a Necessity in Fruit Transportation, by T. R. Lombard, Cornelia, Ga.; The Horticulturist's Interest in Forestry, by Prof. Alfred Ackerman, University of Georgia. Our District Agricultural Schools—The Needs They Should Fill, Prof. John N. Rogers, Superintendent Tenth Congressional District Agricultural School; Home Surroundings, by Mrs. Erwin, Cornelia; Paper from Prof. F. S. Earle, formerly of the Alabama Experiment Station and the New York Botanical Garden.

OUR BOOK TABLE.

CYCLOPEDIA OF AMERICAN AGRICULTURE. L. H. Bailey, Editor. Macmillan Company, New York, 1908. VOLUME III.—ANIMALS.

The question of whether this cyclopedia is more for the interested reader than the student and likewise the question of whether it should not have attempted to take a position of greater finality, have both been discussed in the agricultural press of the country. The work is a survey of agricultural conditions, practices and ideals, and, as a whole, its greatest value will probably be in its comprehensiveness.

Agriculture as an industry is coming more and more to be separated sharply from other industries and the agricultural class is becoming more and more conscious of itself. It is natural, then, that the questions arise, What are the agricultural conditions, practices and ideals in North America today? Broadly speaking, the Cyclopedia of American Agriculture is an answer to the question. Moreover, it is as authoritative as any work concerning a developing science and practice can be. The volumes will always stand out for their scientific truthfulness; they do not claim as final any principles that have not established themselves through a great number of years. What they lose in conclusiveness is gained in scientific accuracy; much of the inconclusiveness and instability of agricultural science is revealed by them.

The reorganization of North American agriculture is under way and Bailey's Cyclopedia will stand as an epitome of the present status of that reorganization. When there is more finality in agricultural science, a cyclopedia that is more strictly authoritative will be needed; until then the Cyclopedia of American Agriculture will stand as the monumental and guide and survey.

THE NATIONAL NURSERYMAN:

Rochester, N. Y.,

Gentlemen:

Enclosed please find one dollar for renewal. Your paper has helped me five times its price every year, couldn't very well get along without it.

I also enclose a piece of an apple scion from a lot which I have recently purchased from a Wholesale Nursery. Will you kindly tell me what is attached to it? There is nothing like it on my trees. If injurious can I dip in scalecide and not injure my grafts any, and will scalecide destroy it?

Yours truly,

O. J. GRAHAM.

The National Nurseryman

Published monthly by
THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
205 Cox Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., AUGUST, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Forestry—J. W. Hill, Des Moines, Ia.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.
Program—Jas. M. Pitkin, Newark, N. Y.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—Geo. C. Seager, Rochester, N. Y.
Entertainment—Wm. Pitkin, Rochester, N. Y.
National Council of Horticulture—Chas. J. Maloy.

STATE AND DISTRICT ASSOCIATION

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

QUANTITY VERSUS QUALITY.

In visiting different parts of the country, it is most interesting to observe the varying points of view of the fruit growers. In some regions, the whole aim of the fruit grower is to produce quantity. These sections are essentially commercial. They cater to the world markets. They produce a staple product. They meet the requirements of their market if their product carries well, and if it is reasonably attractive.

Go into other regions and we find a different purpose guiding the producer of fruit. He is perhaps located near a large city; he is attempting to cultivate a personal trade. His object is to furnish the consumer with an article of the highest grade or quality. To do this he must study the characteristics of varieties. He must understand their soil and food requirements. He must know how to combat their peculiar enemies, for it is a law in nature as well as life, that that which is best is secured with greatest difficulty. Nothing which is really worth while comes easily, and so it is with the producer of the high grade fruit. His is a more intense struggle than in the case of the man who produces the staple article. After this is done he must educate his consumer up to his own standard. Undoubtedly, this is the right ideal, the large question, however, being whether in the long run there is more money in it than in growing the common things for the common people. Is it not finally in the last analysis, a personal question? Which type of business will bring the individual most pleasure? Undoubtedly, money can be made by carrying either, but which will bring the most satisfaction? This short sermon leads us to say that we are losing sight of many of the old and valued varieties of fruits, primarily because they are somewhat difficult to grow in nursery, it costs more to make a merchantable tree out of them and it is harder for the nurseryman to get his money from the finished product. There ought to be a place, and ought to be an opportunity in commercial life for the man who desires to grow the best. We believe there is.

THE STORING OF NURSERY STOCK.

The storage house for nursery trees is a comparatively recent development. They naturally appeared first in northern regions where climatic conditions made them a necessity. But the storage house is moving farther and farther south each year. There is no doubt that a good storage house means as much to the tree planter as it does to the tree grower. It means health and vitality instead of weakness and a devitalized condition of stock.

But there are storehouses and storehouses, and also various methods of storing stock. The objects sought in carrying stock through the winter in the store houses are a temperature as near freezing as possible, an atmosphere charged with sufficient moisture so that the trees will not dry out, and uniformity in both of these respects. Given uniformity and given low temperature with reasonably moist atmospheric conditions, stock may be carried without injury or devitalization when stored in the ordinary rick or boarded without packing or covering of any kind whatever. The other method of carrying the stock through winter is

to heel it in in sand, in bins, in the storehouse. This is usually very satisfactory, but more expensive in regard to space and labor. The question of the safe storage of stock then, in our opinion, hinges on the character of the storage house, its insulation, ventilation and the care exercised by the overseer in securing uniform conditions throughout the winter months.

FALL VERSUS SPRING PLANTING.

This is an old subject, quite time-worn and frayed by frequent handling. Nevertheless, a review of the advantages and disadvantages is important.

We are of the opinion that in all peach-growing sections fall planting is better than spring planting, but this statement cannot be offered without certain important qualifications. Late fall planting is not better than spring planting. Reasonably early fall planting possesses in our opinion many advantages over spring planting. What are these advantages? The planter usually has more time in the fall. This means that he can do the work in a more leisurely and presumably better manner. Hhurried operations are usually unsatisfactory. These are economic reasons. The biological reasons are based upon the growing conditions of the soil. In all the peach growing country of the Northeast the ground is fairly warm during the first half of October. In other words, it is in a growing condition. Trees planted at this time will, under the influence of the soil, develop rootlets and in a measure become established. These young rootlets will supply the tree with moisture to replace that which is lost by the evaporation from the tops. Unless this moisture evaporated is replaced the twigs die, sometimes the entire top dies, and we have the condition frequently seen in orchards of trees starting growth from the base, or growing sprouts from the trunk instead of from the twigs or terminal shoots. Late planted trees often start out in this way. It means that they had no real living connection with the soil, that it merely held them mechanically, and that the moisture of evaporation was not replaced by absorption, and the tops consequently died. In the far north where the climate is rigorous, fall planting is not successful as a rule. For the reasons given above planters should consider this question carefully, and nurserymen can afford to recommend to their customers the desirability of purchasing trees in the fall and setting them at that time.

JOURNAL OF ECONOMIC ENTOMOLOGY.

A journal in which nurserymen and fruit growers should be interested is the Journal of Economic Entomology, the official organ of the Association of Economic Entomologists. Some of

the foremost entomologists in the United States and Canada are connected with this publication. Those in charge are:

Editor, E. P. Felt, Albany, N. Y., State Entomologist of New York; Associate Editor, A. F. Burgess, Washington, D. C., Secretary, Association of Economic Entomologists; Business Manager, E. Dwight Sanderson, Durham, N. H., Director and Entomologist, N. H. Agricultural Experiment Station; Advertising Manager, Wilmon Newell, Baton Rouge, La., State Entomologist of Louisiana.

Advisory Board: L. O. Howard, Washington, D. C.,

Chief, Bureau of Entomology, U. S. Department of Agriculture; James Fletcher, Ottawa, Canada, Entomologist, Dominion of Canada; S. A. Forbes, Urbana, Ill., State Entomologist of Illinois; Herbert Osborn, Columbus, Ohio, Professor of Entomology and Zoology, Ohio State University; Henry T. Fernald, Amherst, Mass., Professor of Entomology, Massachusetts Agricultural College; H. A. Morgan, Knoxville, Tenn., Director and Entomologist, Tennessee Agricultural Experiment Station.

The magazine was established in February, 1908, and is devoted to practical and applied entomology. In its columns are found the latest experiments with and methods of controlling the worst insect enemies of fruits, crops, and nursery stock.

PRESIDENT CHARLES J. BROWN ENTERTAINS.

Preliminary to taking active hold of the executive work of the American Association of Nurserymen, President Charles J. Brown, on Wednesday, July 15, gave a luncheon to eleven prominent nurserymen of New York State. The occasion was in the nature of a conference between the new president and a few business friends who took the opportunity to congratulate him upon his election and upon starting his administration in the "correct" manner. Not only in the matter of entertainment did President Brown display his ability but also in deciding the administrative questions that came up during the afternoon. As a host, President Brown has won the hearts of eleven nurserymen—not to speak of others.

There is every reason to expect, from the manner in which the new president took hold of the administrative work, that his term of office will bring great benefits to the national association. The same thoroughness and keen business insight that has distinguished the management of the Continental Nurseries will be brought to the association matters.

Mr. William Pitkin of Chase Bros., Rochester, was elected Chairman of the Entertainment Committee and received the power to appoint his sub-committee. He will have full charge of all arrangements to entertain the nurserymen at the Convention of 1909.

CHAIRMAN OF COMMITTEES.

President Charles J. Brown has made the following appointments for chairmen of the various committees:

Forestry—J. W. Hill, Des Moines, Ia.

Transportation—F. H. Stannard, Ottawa, Kans.

Tariff—Irving Rouse, Rochester, N. Y.

Legislation—Wm. Pitkin, Rochester, N. Y.

Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.

Program—Jas. M. Pitkin, Newark, N. Y.

Publicity—J. M. Irvine, St. Joseph, Mo.

Exhibits—Thomas B. Meehan, Dreshertown, Pa.

Arrangements—Geo. C. Seager, Rochester, N. Y.

Editing Report—Geo. C. Seager, Rochester, N. Y.

Entertainment—Wm. Pitkin, Rochester, N. Y.

National Council of Horticulture—Chas. J. Maloy.



This illustration is from a photo of a block of 5,000 plants of the new American Ever-blooming Hydrangea, on the grounds of the E. V. Teas Co., Centerville, Ind. The photo was taken October 15, 1907. The plants are from cuttings started in Greenhouse in Spring of 1907; planted in Nursery from the last of May to middle of June. This block was in constant bloom from the last of July until killed by frost the latter part of October, when the plants stood from 2 to 4½ feet high.

AMERICAN "EVER-BLOOMING" HYDRANGEA.

This Hydrangea botanically named, *Hydrangea Arborescens Sterilis* is called also "Snowball Hydrangea," "Hills of Snow," "Grandiflora Alba," etc. The name under which it has been known in one considerable locality for fifteen years, as both descriptive and appropriate is, "American Ever-blooming Hydrangea."

This is believed to be the most beautiful hardy flowering shrub introduced during the last twenty years. It was found growing wild on the rocky hills of western Pennsylvania several years ago, and finally was introduced into central Ohio by Mrs. Mary Kelley when she removed from Pittsburgh many years ago. From this introduction numerous plants have been grown and planted in that locality, so that many plants are now growing, three to eight years old, and blooming profusely from early June till toward Autumn frosts.

The old and well-known *Hydrangea paniculata grandiflora*, which, up to the introduction of the new form, has been one of the most popular flowering shrubs, blooms only in this latitude during August, while the new sort blooms continuously from early June until the end of the growing season. The size of the flower is one of the striking features of this shrub. Blooms twelve inches across are frequent in young plants, while the average size on mature plants is usually six inches or more. The color of the flower is a pure, dazzling white, without the creamy, and later pink, tints of the old *H. paniculata grandiflora*. The length of time this whiteness is retained depends somewhat on local conditions, but usually from four to five weeks, when the flowers begin to change gradually to a light green color, and by October the flowers and foliage are of a similar shade of green.

The flowers, when cut, possess remarkable keeping qualities, remaining in good form and color many days. This feature renders it specially valuable for florists' use.

This hydrangea is also said to be one of the very best shrubs for forcing under glass, equal to any other used for that purpose; easily brought into bloom for Easter sales, as well as for later events. It is claimed that 8 to 12-inch plants can be brought into bloom along with geraniums and other bedding plants, when their large, showy blooms will attract general attention.

This hydrangea gives every promise of becoming even more popular than the well-known *H. paniculata grandiflora*, as it lacks the coarseness and stiffness of that variety; it is refined in tone and effect, and with its abundant and handsome foliage it lends itself readily to landscape effects. It is a comely, handsome shrub at all times. It reaches a height of five to six feet, and when in full bloom is one of the most striking as well as the most beautiful shrubs of its season. It is at least as hardy as *H. paniculata grandiflora*. Many have been sent into Maine, Minnesota and other northern states, and into Canada as far north as Winnipeg.

William Falconer, Superintendent of Schenley Park, Pittsburgh, Pa., stated the following interesting facts about this new hydrangea in the *Florist's Exchange*, August 14, 1904.

James Semple is a retired Pittsburgh florist, and now living at Avalon, a suburb of Allegheny. He is the Semple of China Aster fame, a canny old Scotchman, and as wealthy

as Croesus. But, retired as he is, he cannot give up his love for flowers and puttering among plants. He and John A. Shafer, former secretary of our Botanical Society, were out in the woods one summer day a year or two ago, and there discovered, growing wild, a plant of our every-day native Hydrangea—*H. arborescens*—with large heads of sterile blossoms (in common talk we say "double flowers,") as big and full and perfect as our ordinary Otaksa, and of a pure white color. His keen, practical eye at once saw its merit as a garden plant, and his business sagacity that there was money in it.

So he secured every morsel of it, brought it home to his garden and planted it, and he is now propagating it. In a year he expects to have a thousand plants of it and sell them at \$5 a plant! I advised him to sell it in a lump to a novelty man for \$1,000, but he treated my proposition with disdain. I forgot he didn't need the money. You bet, were it mine, I'd take a thousand for it, but then, you see, that's where I'm short in business, hence lean in purse, and he is long-headed in trade and full in pocket,

But this hydrangea is a mighty fine thing. It comes into bloom the first week in June and lasts in good flower well through July, and is as hardy as a dandelion. It thrives in open sunshine or in partial shade. The wild, or typical form, is in bloom now, and in great abundance in our rocky woods.

Mr. Semple had a bunch of it at our last Florists' Club meeting, and while we all handled it, every bit had to move back to its original owner, and when the meeting was nearing the end every bunch and every bloom, as well, got wrapped up securely to return to Avalon. When Ernest Ludwig, wanted a head of bloom for a buttonhole, he got a refusal instead; and John Jones wanted a piece of a bunch of flowers without any wood, that he might compare it at home with Thomas Hogg and other sorts, but he couldn't get even a floret. Then down fell my spirits to the zero point, for I intended asking for a whole plant! (for my experimental garden,) but I didn't. Semple's Hydrangea, however, is an excellent shrub and new to me.

TUNICA SAXIFRAGA FL. ROSEA PL.

This is one of the best market plants of recent introduction, one of these few good plants which are so rarely introduced.

In general appearance the plants resemble a Saxifraga of the mossy section, flowering with perfect double pink Gypsophila like flowers. In May it starts flowering and keeps up a continuance of flowers till late in autumn. It can be used for the most varying purposes, for it is equally good as rockery plant, for borders, for pot plant as for covering graves, growing quite as good in the hottest sun as in the shade. It does not like too much moisture but it grows easily and is perfectly hardy. For further particulars address McHutchinson & Company, 17 Murray street, New York,

"Experience keeps a dear school but fools will learn in no other."—*Franklin*.

F. E. SCHIFFERLI, NURSERYMAN.

When Wheelock and Clarke, Fredonia, N. Y., retired from business, F. E. Schifferli acquired their interests and is continuing the business as their successor. Seventeen years experience in the nursery business have fitted Mr. Schifferli to manage successfully his enlarged interests. He desires to continue the trade of the old firm and should have no difficulty in doing so.

Grape vines and currants are Mr. Schifferli's specialties. Both one and two year old vines and grape and currant cuttings form a large part of his stock. Large quantities of Concord and other varieties are grown under contract for future delivery. The grape and currant cuttings are of exceptional merit.

AN INTERESTING COMMUNICATION.

In the June issue of this journal photographs and short biographies of notable nurserymen, living and dead, were published. They have called forth the following letter from Charles Black, Hightstown, N. J.

"In the June number of the NATIONAL NURSERYMAN, you give a group of pioneer nurserymen. I cannot refrain from calling your attention to one very important omission, and that is, of Isaac Pullen. He was one of the pioneer nurserymen of New Jersey, and in his day, did more for the progress of peach culture, both in respect to propagation in the nursery and in the orchard than any other person. He established the Hightstown Nurseries (now owned by the writer), in 1830 and continued to conduct the business until his death in 1866.

In his day, he was known all over the country and shipped large quantities of peach trees to California when the business first started there. He was one of the highest authorities on the Peach in his time and had the confidence and patronage of the best orchardists in the country."

CONSOLIDATION.**Alabama Nursery Co. and Chase Nursery Co.**

An important announcement comes from Huntsville, Alabama. The attention of nurserymen is called to statements issued by the two nursery firms concerned. The purport of the change is that the Alabama Nursery will retire from the general nursery trade. They have been a clean, energetic organization and nurserymen will regret their withdrawal.

HUNTSVILLE, ALABAMA, July 15th, 1908.

To the Nursery Trade:

We have sold to the Chase Nursery Company all nursery stock (except some California Privet, Spirea Van Houtte, and June Budded Peaches) all teams and tools, cutlery, cordage, supplies, merchandise, etc., connected with this business; we have not sold the real estate, accounts, and bills receivable. We are ready to pay what we owe and willing to take what's coming to us. We have turned over to the Chase Nursery Company orders booked by us for future delivery, except some California Privet, Spirea, June Budded Peaches and a few other items. We will write all parties who have orders booked, so that they will fully understand.

The object in making this sale is to enable the Alabama Nursery Company to retire from the general nursery trade. You have helped us build a CLEAN, HIGH-CLASS satisfactory business; we are grateful. For the Chase Nursery Company we ask the same treatment accorded us.

Yours very truly,

ALABAMA NURSERY COMPANY,
HERBERT CHASE, Treasurer.

HUNTSVILLE, ALABAMA, July 15th, 1908.

To the Nursery Trade:

In buying out the Alabama Nursery Company we are adding a mighty good business to our own. We appreciate its high standing in the Nursery world, the value of its good will and the worth of its well known trade mark. We intend that under our name "Chase's Alabama Grown" shall continue to stand for THE BEST in nursery products.

The closing of this deal gives us about 1,100 acres of nursery stock, a strong line of nursery supplies—including cutlery and cordage—and a complete equipment in every department. With the new addition to our storage house at Chase Station we have facilities for handling a big business in the best manner. We solicit your orders, knowing that we can handle them to your satisfaction, and ours.

Our complete Trade List will be mailed in August. If you wish prices earlier we will be pleased to quote.

With thanks to every customer for the orders entrusted to us in the past and with the hope of adding many new ones the coming season, we are,

Yours very truly,

CHASE NURSERY COMPANY.
HENRY B. CHASE, President.
ROBERT C. CHASE, Treasurer.
CHAS. F. CHASE, Secretary.

Only a fool takes experience for a road instead of a guide.

If you consider your business not worth advertising, better advertise it for sale.

Mr. Fred W. Green, of The L. Green & Son Company of Perry, Ohio, called on Rochester Nurserymen the last week of July.

STARK-WILSON WEDDING.

On June seventeenth, at the home of Mr. and Mrs. William Pharr Stark, Louisiana, Missouri, the marriage of Miss Amy Pharr Stark to Mr. Earl Mott Wilson was solemnized. W. P. Stark, is a well known nurseryman and his friends wish his daughter all possible happiness and good fortune. Mr. and Mrs. Wilson will be at home after October first at 615 Elm Avenue, La Grange, Illinois.

Obituary.**GEORGE F. CHANDLER.**

George F. Chandler, perhaps the oldest florist and nurseryman in Massachusetts, died at South Lancaster on May 30. Mr. Chandler started in the nursery business in 1843 and later dealt largely in cut flowers.

THE SELF-BOILED LIME-SULPHUR MIXTURE.

In Circular Number 1 of the Bureau of Plant Industry, United States Department of Agriculture, W. M. Scott, pathologist in charge of orchard spraying demonstrations, investigations of diseases of fruits, has the following to say:

At intervals during the past several years the writer has made experiments with sulphur and various sulphur compounds with the object of finding a fungicide that could be used during the growing period on fruit trees, especially the peach, without injury to the foliage or fruit. The first work was done in 1901, at the suggestion of M. B. Waite, and consisted of experiments with various sulphids, all of which, proved injurious to peach foliage. During the season of 1907, self-boiled lime-sulphur mixtures in various proportions and strengths were tested on both the apple and the peach.

Preparation of the Mixture.

The mixture that gave the most promising results was composed of 10 pounds of sulphur flowers or flour (and 15 pounds of fresh stone lime to 50 gallons of water), and may be prepared as follows:

Place the lime in a 50-gallon barrel and pour a 2 or 3 gallon bucket of boiling water over it. Immediately add the sulphur and another bucket of hot water. The heat from the slaking lime will boil the mixture violently for several minutes. Some stirring is necessary to prevent burning, and more water should be added if the mass gets too thick to stir, but the cooking is more effectual when the minimum quantity of water is used, usually from six to eight gallons being required. A piece of old carpet or gunnysack thrown over the top of the barrel helps to keep in the heat. The boiling will continue from twenty to thirty minutes, depending upon the quality of the lime. When the boiling ceases, dilute with cold water to make 50 gallons, stir thoroughly and strain through a sieve of about 20 meshes to the inch in order to take out coarse particles of lime, but all the sulphur should be carefully worked through.

In a similar manner, enough for 150 gallons may be prepared in a barrel by using 30 pounds of sulphur and 45 pounds of quicklime, with about 20 gallons of boiling water. When the boiling ceases, the barrel should be filled with cold water and diluted with 100 gallons more when transferred to the spray tank.

In some of the experiments, a wash consisting of five pounds of sulphur and 10 pounds of lime to 50 gallons of water gave excellent results. This would indicate that a much more dilute mixture than the 10-15-50 formula may prove to be a satisfactory fungicide. The wash was also prepared with cold water instead of boiling water, and in some cases a portion of the lime was at first withheld and later added, a small lump at a time, in order to prolong the boiling; but the experiments have not yet been sufficient to determine definitely the correct formula and the best method of preparation.

Should the boiling be very prolonged the mixture might become caustic enough to burn foliage, although no such injury developed in the experiments. If it should be found in practice that the use of hot water dissolves too much sulphur, so that the foliage is injured, cold water may be

substituted and a less intense heat thus developed, or the sulphur can be withheld until the lime has partly slaked, thus regulating the amount of sulphur dissolved.

By this boiling process, the sulphur is put in good mechanical condition for spraying and enough of it is dissolved to make the mixture adhesive. As a large percentage of the sulphur is simply held in mechanical mixture with the lime water, it is necessary that the spraying outfit be provided with a good agitator, so that the mixture may be kept constantly stirred, and settling be thus avoided. In the treatment of apple trees, Paris green may be added for the control of the codling moth in the same manner as when Bordeaux mixture is used.

A Combined Fungicide and Insecticide.

Self-boiled lime-sulphur washes used in the dormant spraying of fruit trees are known to have some effect against the San Jose scale, and in order to avoid the expense of a cooking plant a few growers have employed this method of preparing the wash. Entomologists have wisely discouraged the use of self-boiled washes because of their inferiority to the boiled preparations, but when used as a fungicide in the growing season a self-boiled lime-sulphur wash might be expected to aid considerably in the control of the San Jose scale and other scale insects by the destruction of the crawling lice, and would thus perhaps prevent the infestation of the fruit, a condition especially likely to occur with apples and pears. This would give it a decided advantage over Bordeaux mixture and make it especially useful as a combined fungicide and insecticide in the treatment of large apple trees on which the scale is so difficult to control. Summer applications for the prevention of fungous diseases would thus supplement the dormant treatment of the San Jose scale without extra cost.

Sulphur is also a well-known remedy for various mites, and the self-boiled wash would probably be of considerable value in the control of the red spider.

WESTERN CHERRIES.

The present indications are that the cherry crop will be one of the best in the history of the industry in the section around Salem, Ore., and that means that it will be one of the best in the history of the world. The cherry trees are not overloaded as they were in many instances last year, and the result will be a much finer quality and larger sized fruit. This means, without doubt, that the season will produce the largest and best cherries ever known. The peculiar climatic conditions in the central Willamette valley are especially adapted to the perfect development of this delicious fruit, and the conditions being favorable makes the prediction safe that the grower will have a quality of fruit never before known. Furthermore, the quantity, owing to the increased acreage, will be larger than ever. By consulting the figures of the canneries and shippers it is learned that the growth of the cherry industry contiguous to Salem has been marvelous in the past five years. It is believed that the acreage has quadrupled in the past two years, as it had nearly done in the preceding three years. Cherry-growing is now beyond all experiment, and in a normal status, both as to methods of growing and marketing, as well as the demand for the crop.

Business Movements and Activities.

The Peterson Nursery Co. reports a good year for its landscape department.

D. C. Hogan, proprietor of the Idlehour Nurseries recently completed the construction of two new greenhouses.

C. R. Burr & Co., Manchester, Conn., are developing the Pickles Farm which they recently purchased into a fine up-to-date nursery.

Nurseries at West Chester, Pa., report a fine business.

The Hoyt Nursery Co. of Minneapolis, Minn., has secured the services of A. L. Rose landscape architect who has had a wide experience.

At a meeting of the New London County Horticultural Society, May 18, Alexander Mac Lellan delivered an address upon his specialty, the dahlia.

The regular monthly meeting of the New Orleans Horticultural Society was held May 21.

It is estimated that upwards of 2,425,000 trees have been planted in Pennsylvania by the state since it undertook tree planting on an extensive scale.

The Waterloo Nursery Co. Waterloo, Ia., will be incorporated with a capital of \$25,000. The company has 75 acres two miles east of here on the Illinois Central and plans to carry on a wholesale and retail nursery business. The Swift Nursery Co. of Cedar Falls is largely interested. Several local men are among the incorporators and will have the management of the new company.

The Intermountain Nursery Co. Brigham, Utah, with A. L. Patterson, president, F. T. Tioxell, vice president, and E. M. Tyson, Secretary and treasurer, has filed articles of incorporation with the secretary of state. The company is capitalized at \$100,000, divided into \$1 shares. The company will conduct a general nursery business in Boxelder county.

An organization to be known as the Waterloo Landscape and Nursery Co. is being established at Waterloo, Ia. The company will have a capital stock of \$10,000. It will do a general landscape business, handle nursery stock, do transplantings and the handling of trees.

P. J. Berckmans Co. Augusta, Ga., has been given the contract for beautifying the grounds around the Academy for the Blind in the same city.

The landscaping of the grounds of the Alaska-Yukon-Pacific exposition has been begun and the site is beginning to take on the appearance it will have in 1909.

James J. McManmon, of Brookside, Mass., has purchased from the Essex Co., at Lawrence, Mass., the land along the river bank fronting on his property. He plans to lay out the space between the river and the railroad tracks in a park, with lawns and various kinds of shrubbery and trees.

The Daffodil: "Great petals! Rosey, old chap, what happened you? Got the spotted fever?" The Rose (fiercely): "I've been Burbanked, that's all."—*Puck*.

The seventh annual convention of the National Nut Growers' Association will be held at Chattanooga, October 27, 28, 29, 1908.

It is predicted that Maine will have the largest fruit crop in twenty years, this season.

More than 7,000 acres of pecan trees have been planted in the vicinity of Thomasville, Ga., within the past five years.

"Why was it," asked Teacher Dear, "that the importance of Columbus' discovery of America was not realized until after his death"? "I guess," answered Tommy Twaddles, "I guess it was becuz he didn't advertise."—*Cleveland Leader*.

Indications are favorable for a larger crop of walnuts in California than usual.

M. Norbet Levavasseur has been elected Mayor of Boulon, near Caen, France.

Mr. J. H. Dayton, of Storres & Harrison Co., Painesville, O., called on the Western New York Nurserymen in the latter part of June.

Orlando Harrison of J. G. Harrison & Sons, Berlin, Md., visited the Nurserymen in the Western part of New York State last month.

A new nursery was recently organized at Beeville, Texas. It is called the Beeville Nursery Co.

J. J. Harris, proprietor of the Ockley Green Nursery, Portland, Ore., and who, fourteen years ago lived in Rochester, called at the office of the NATIONAL NURSERYMAN, not long ago.

The Jewell Nursery Co., Lake City, Minn., one of the largest firms in the northwest takes great pride in its nursery stock of which it grows practically the entire output.

THE MCCORMICK NURSERY CO.

The McCormick Nursery Company, a co-partnership has recently been formed between Cormac J. McCormick, Hon. E. R. Gilday and Benjamin Dansard, Jr., Monroe, Mich. This makes an even half dozen nursery firms that are located in or adjacent to the city.

In the new firm Mr. McCormick will be the directing spirit. He is a young man of the hustle-and-get-there type. In 1898, he entered the employ of the Greening Nurseries, and there he found his life-work. He remained with them until a few weeks ago, when he resigned, as he had perfected and completed his plans for establishing a nursery business of his own.

During his connection with the Greenings, he has had experience in every detail and branch of the business. For a number of years he edited and managed their Horticulturist, which gave him a deep insight into the nursery business, and understanding and grasp of the industry in this country, while his connection with the advertising department brought him into contact with leading nurserymen and hundreds of newspaper men in America.

In anticipation of his entry into business for himself, he has grown stock on leased lands, to test soils. The lands proving most suitable have been leased by the new firm and a few weeks ago Mr. McCormick made a trip east and completed arrangements with one of the best eastern nursery companies for stock for the fall planting, so that when the season arrives, everything will be in readiness. By next spring, therefore, the firm will make its first shipment, which, will probably prove the forerunner of many succeeding and steadily increasing cargoes.

A simple case of cause and effect. Advertising and a successful business.

Items of Interest.

TEXAS NURSERYMEN'S ASSOCIATION.

The ninth annual session of the Texas Nurserymen's Association was held at College Station, Texas in conjunction with the sessions of the State Horticultural Society and the Texas Nut Grower's Association, July 7-9, 1908.

The following was the program for the nurserymen:

JULY 8, 1908.

Welcoming Address..... Prof. H. NESS, College Station
Response..... B. L. Adams, Bonham
Annual Address by the President... EDWARD W. KNOX, San Antonio
Shade Trees and Ornamental Plants..... J. B. BAKER, Fort Worth
Civic Improvement—The Nurseryman's Duty and Opportunity

F. T. RAMSEY, Austin; C. MAYHEW, Sherman

Echoes from the Milwaukee National Convention by those who attended.

Report of the Committee on State Inspection Law.

Discussions will be limited to five minute speeches.

Report of the Secretary Treasurer.

Report of Committees.

Annual Election of Officers.

WESTERN ASSOCIATION OF NURSERYMEN.

Semi-Annual Meeting of the Western Association of Nurserymen was held at the Coates House, Kansas City, Mo., Wednesday, July 8, 1908.

At 11 A.M., A. Willis was called to the chair and the work commenced. President Bernardin and Vice-President Welch were at home on the push and acting president Willis took up the push idea with a vim that accomplished two days' work in one.

The long continued rains have been especially severe on many of the western nurserymen, interfering very much with field work. This and the uncertain movements of trains over flood damaged roads tended to reduce the attendance below the usual. However, the time was well spent and of profit and satisfaction to those present consisting as follows: A. C. and T. E. Griesa, G. L. Knight, Geo. Johnson, Wm. H. Baldwin, J. L. Bagby, J. H. Skinner, F. H. Stannard, Mr. Mayhew, A. Willis, J. Wragg and Sons, C. W. Carman, Holsinger Bros., Holman Bros., M. E. Chandler, and a pleasant visitor in Mr. Hobbs of Indiana.

The following is a synopsis of the proceedings: Former minutes read and approved. Treasurer's report, receipts, \$192.34; expenses, \$40.23; balance \$152.11. Committee on new members—T. E. Griesa, J. L. Bagby, M. E. Chandler. C. W. Carman, of Lawrence, Kansas, admitted to membership. Committee on final resolutions: J. L. Bagby, Wm. Baldwin, T. E. Griesa. Messrs. Stannard, Welch and Heikes were named a committee to report at next meeting on the subject of foreign tariff on nursery stock. A. C. Griesa gave notice of resolution to be presented at next meeting repealing section 7 of by-laws. On motion of J. L. Bagby, each member is requested to address his member in congress urging the enactment of a postal parcels measure. A two days' annual meeting is ordered, December 15-16, 1908.

Notwithstanding the absence of several of those assigned especial topics, the program was discussed in toto much to the pleasure and profit of all in attendance.

SOUTHERN NURSERYMEN'S ASSOCIATION.

The Southern Nurserymen's Association will hold its annual meeting at the Piedmont Hotel, Atlanta, Ga., Wednesday and Thursday August 19 and 20. This association was organized nine years ago in Chattanooga, Tenn., by a few public spirited nurserymen, and have met annually ever since. The work of the association has been helpful and it needs the support of every nurseryman of the South.

The following papers and addresses will be heard and discussed. Each will be limited to ten minutes, except by unanimous consent.

In the discussions following these addresses, speakers will be limited to five minutes.

Co-operation, W. T. Hood, Richmond, Va.; The Pecan in the Nursery, R. C. Simpson, Monticello, Fla.; Treatment for Aphis in Apple, J. C. Miller, Rome, Ga.; Best System of Rotation to Maintain Soil Fertility, H. Harold Hume, Glen Saint Mary, Fla.; Nursery Problems, From the Wholesaler's Standpoint, J. C. Hale, Winchester, Tenn.; Nursery Problems, From the Retailer's Standpoint, A. I. Smith, Knoxville, Tenn.; Protection for the Wholesale Nurseryman, C. M. Griffing, Jacksonville, Fla.; Protection for the Retail Nurseryman, E. W. Chattin, Winchester, Tenn.; Advertising, Jas. Cureton, Austell, Ga.; The Nurseryman's Part in Civic Improvement, J. Van Lindley, Pomona, N. C.; Better Nurserymen and Better Trees, Orlando Harrison, Berlin, Md.; How We May Best Increase the Demand for Ornamentals, R. C. Berckmans, Augusta, Ga.; The Nurseryman's Part in Making This a Better Country, Robt. C. Chase, Huntsville, Ala.; The Nurseryman's Part in the Horticultural Society, W. F. Heikes, Huntsville, Ala.; The Nurseryman's Duty to the Tree Planting Public, John A. Young, Greensboro, N. C.; Extending Credits, Herbert Chase, Huntsville, Ala.; The Best Cultivation for Nursery Stock, J. H. Smith, Concord, Ga.

Other subjects that have been proposed by prominent nurserymen of the Association, and which will be discussed fully at this convention, for the benefit of those present, are as follows:

The uniform inspection law and how it may be accomplished.

Is it good policy to send out cheap lists at the end of the season?

Should we have a law for trade marking, or patenting fruits?

Has any nurseryman succeeded in preventing crown gall and hairy root in apple trees?

Is the demand for ornamental stock increasing in the south?

How should pecans be graded?

Are the large orchardists still getting the benefit of wholesale prices?

Is the Kieffer Pear responsible for the limited sale of pear trees?

How can a better demand be created for nursery stock?

Can nurserymen, by co-operating, create more interest in the planting of trees?

How can we best improve the standard of the stock we send out?

Can we teach our men in the nursery to become inspectors?

How can we who sell through dealers and salesmen best protect ourselves from the slow-pay class?

Does the wholesale nurserymen send wholesale price lists promiscuously to the retail buyer?

What do we know about crown gall, and what does the inspector know about it?

How can fruit trees be grown and sold at the low prices now prevailing, at a profit?

Would the interest of the fruit grower be better protected by a more thorough orchard inspection?

What does the Southern nurseryman know about peach yellows?

How may we best cut down our long lists of fruits catalogued?

Discussion of the best varieties of fruits for Southern territory.

What are the best evergreens, shade trees and shrubs for the south?

How can we secure a better class of labor, and what experience have any of us with foreign labor?

What has been the damage this year by "stop back" and is there any new knowledge on this subject?

Is there sufficient cooperation amongst Southern nurserymen?

ANNOUNCEMENT.

Mr. P. Hamilton Goodsell (for ten years manager of the nursery business of Fred'k W. Kelsey and lately secretary of the American Nursery Co.) begs to announce that he has opened offices at 200 Broadway, New York City, for furnishing strictly highest quality nursery stock of all descriptions, and hopes for the pleasure of hearing from you.

200 Broadway
New York

Tel. 5617 Cortland
July 1, 1908.

A FEW POINTS ON IMPROVEMENTS.

EUGENE W. STARK.

Nurserymen can improve the condition of their business by attending the annual meetings, thereby learning much from each other. All of us know something, none of us know it all; and it is an impossibility to attend the meetings without going home benefited, with new ideas gained, and with new methods learned, some of which can be employed with profit. We get acquainted with our brother Nurserymen, find out what we have to meet in the way of competition, and also the caliber of the men we are up against.

We can improve by holding our business down to the volume that we have the facilities to handle and handle well. Many of us make the mistake of trying to do too much — more than we have the facilities to handle. A smaller business managed rightly with all the corners watched closely will yield a much larger profit balance at the close of the year.

We can improve by using only first-class land, and the character of soil particularly adapted to the kind of nursery stock we wish to grow. How many of us have used second-class land for the reason that we have had a field or block of ground which was nearer, more convenient for our labor, than go to work and spend several hundred dollars per acre on it in the way of stocks, labor, cultivation, etc., to mature the trees, harvesting about one-half the value from it in the way of second and third-class trees when we might have grown nearly all top sizes by going a little further, and paying a few dollars more per acre for the right kind of land. I frankly admit we have made this mistake, I suspect there are others.

We can get better results by using more first-class stocks; the best are always the cheapest. You know we tell planters a few cents difference in price of trees on the start is a bagatelle when growing a commercial orchard, as compared with the results that are to come later on. That he cannot afford to plant inferior trees simply because he can buy them cheaper. Now this advice that is good for the planter is also good for the nurseryman.

Another important item is the employment of competent help. Many of us make the mistake of trying to oversee everything ourselves, having to rely upon incompetent help to carry out orders. This is indeed a serious blunder. I venture to say there is not a nursery in the country of any size that cannot afford to employ a first-class competent foreman, one who understands the business and can properly oversee it, giving it the necessary time and attention, so as to see that work is properly done and at the right time. Such a man will command a good salary but you can afford to pay it; he will make you dollars where he costs you cents.

Encourage Inventions and Exhibits.—I wish to call special attention to inventions and exhibits. We can improve our business by giving more encouragement to exhibits of nursery tools and appliances at our annual meetings. Every one of you will concede that the cost of producing nursery stock has increased materially in the past few years. Labor alone costs 40% to 50% more than it did seven or eight years ago, consequently the invention of every tool that will save labor and save hand-work is of great interest

and value to nurserymen. Some of us are too busy, besides being minus the ideas and mechanical genius to figure out these things. We, however, have foremen and boys in the ranks of our employees who will figure them out if properly encouraged. I speak from personal experience along this line, as some of you know, and as evidenced by the Stripping Machine which was invented by our foreman. Our foreman in working out this invention used Stark Brother's time, material, and when through said the Stripper was our property. We told him, "No," to him belonged the credit and he deserved the benefit. Our advice to you is to follow the same course and you will be the gainer in the end.

The exhibit feature of our meetings has made great strides in the past few years due largely to the untiring efforts of the Exhibit Committee. I firmly believe this association should hang up a list of prizes every year for new inventions, new exhibits, which will stimulate these boys in the ranks to go to work in earnest. I offer this suggestion for your consideration and trust some action will be taken along that line before the meeting closes.

We can improve our business by making better and more uniform grades; in short, if possible for it to be done, should adopt a system of standard grades so this question will be settled once for all.

Plant One Year Trees.—We can increase our profits by advocating the planting of more one-year trees, less two- and three-year trees thereby avoiding risk and expense of maturing trees above this age, decreasing materially our brush pile. As we all know the majority of root-knot, crown-gall, aphids, etc., is found in trees above this age, to say nothing about the better stand customers would get from transplanting.

By discarding second-class varieties as soon as we find better ones to take their place, growing fewer varieties, selling to customers only such as we know will give them satisfactory results, we can improve still further. In adopting such a plan it would be much better for customers, much less detail for the nurseryman.

We can better our business by making our own prices instead of allowing buyers to do so; by agreeing among ourselves to ask a fair price that will give us a fair and legitimate profit over and above expense necessary to place trees in buyer's hands. By going to the brush pile with our surplus if necessary instead of demoralizing the market all along the line in order for each of us to dispose of our surplus in some particular line.

Speaking more directly to the retail nurseryman, we can make a great improvement by raising the general plane of the nursery business, eliminating entirely the nursery dealer—in using this term I refer to the old-timer, the unscrupulous dealer who buys his trees wherever he can buy them the cheapest using your name to impose upon his customers, promising them anything and everything necessary to secure the orders, labels the trees you furnish him to suit himself and to suit the orders, makes his deliveries and collections and then pays you for the trees he has purchased—maybe; pays you if you have the deadwood on him, if not, he puts it down in his pocket and tells you the stock was not satisfactory, that you did not make shipment on time, etc.,

and for these reasons refuses to pay more than 50% of the amount agreed or possibly nothing whatever and then seeks new pastures and a new firm the following year.

We can improve by using more care in the selection of our salesmen, absolutely refusing to furnish outfits unless we know salesmen are reliable, of the class who will follow directions, refusing to misrepresent, selling only to responsible purchasers.

Again, we can improve by keeping out of bad territory. This is an inexcusable mistake to which all of us retailers must plead guilty. There is no greater country on the face of the earth than the United States and each state is a jewel in the crown; however it is no treason to admit the fact that there are spots where it does not pay to push the retail nursery business through salesmen. I expect no contradiction when I say there is not a retail nurseryman in this room but has sent outfits where his better judgment told him a scolding was in prospect before he got through. The way to avoid this is—don't send the outfit. There is too much good territory in this great country of ours to waste time, trees and cash besides, on bad territory.

Cancel risky orders as soon as received. We all know this should be done, but do we do it? No. We think this one case may prove an exception and we will take chances on it anyway. The result is we are sadder but wiser, and then it is too late.

We can improve our business and our profits especially by eliminating entirely the practice of replacing all trees that fail to live either free or at one-half price. There is no trouble about cutting it out if all will agree. Many times it is right and proper that trees should be replaced, this for the reason they are delayed enroute, have been too long on the road, reaching customer in slightly damaged condition, etc. In this case, report should be made at once and whatever replacing is done should be done then and there. The practice of allowing customers to report loss six months or a year later means practically that the nurseryman is assuming planter's risk; this is unfair, unjust, unless we base our prices on the start so as to afford it. We all know that 75% of all loss is occasioned by improper handling, planting, lack of protection, as well as cultivation on the part of planter. In short, the way a large percent of customers plant trees the wonder is that any of them live.

Now as stated in the start none of these points are new; we all know about them but the trouble is we do not follow them.

STOCKS FOR JAPANESE WEEPING CHERRY.

We quote from the *Florist's Exchange*, the following interesting item:

"One of the chief attractions of the lawn in early Spring is the Japanese weeping cherry, *Cerasus japonica rosea plena*. Grafted on tall stocks, as it should be, its branches, while vigorous, droop gracefully, and in the earliest of Spring days are clothed with a mantle of lovely flowers. These flowers are of a rosy pink in the bud, but when fully expanded change to white, looking like a mantle of snow, as some have described it.

As sometimes seen, this beautiful weeper is grafted too low. The stocks should never be lower than six feet and 8 to 10 feet would often suit positions better, as the tree is such a strong grower.

The best stock for this cherry is the common Mazzard, one of those greatly used for stocks for fruiting cherries. If these stocks are set out and grown on for a year or two and then cut down to the ground in Spring, they push up a shoot which will make a height of six to eight feet by Autumn, ready for grafting or budding the season following. When budded, care is required to regulate the growth as it is made. The bud is inserted on the side, and unless watched and the shoots pinched off or trained as they grow there will be a one-sided specimen. Better to place two buds, one on the side opposite to the other."

THE POLICY OF SENDING OUT CHEAP LISTS.

JAMES PITKIN, Newark, N. J.

Speaking on the matter of cheap price lists, I desire to say, that when you distribute a cheap price list you are very apt to make future trouble for yourself. That trouble could be avoided if you adopt the plan of the brothers who lived in one of the southern states. When they first started in business, about the first week there happened to be a revival in town. The brothers attended and one of them went forward that night, got religion and joined the church.

Well, it was only about a week after that when one of the other brothers said, "Now, Jeremiah, I think that tonight at revival meeting I shall go forward and also join the church." Jeremiah turned around and said, surprised, "Why, Moses if you join the church too, who is going to label the trees?"

If you put a cheap price list in circulation you can not withdraw it, because once it is put out, it is out for months, and there is going to be a future influence from those cheap prices. If you could quote a cheap price at the beginning of the selling season, the dealer or the jobber might be induced to create a demand for certain cheap lines and he would have time to do it. But cheap prices at the end of the season shut out the retailer or the jobber from creating a demand for the cheap things by reason of the lateness. In place of putting out the cheap list, I would favor the plan of *talking* with people, if you have a bargain to offer them; that can do no harm. The best method of using the cheap list, is to be very careful what you bud or graft or what you plant. Then go ahead, sell all that you can at the prevailing market price and thus make a profit on what you actually move. If you have an opportunity to talk a cheap price on some special kinds, that is all right, move all you can in that way, and when you have done all that, then to reduce the balance of the surplus I would recommend that you take two parts of kerosene, one part of match and have a bonfire.

"The man who sits by the stove with cold feet never saws much wood."

Aimlessness spends its time going nowhere and coming back.

"The hardest kind of advertising is to create a desire."—*Star Solicitor*.

THE GREAT SOUTHWEST.

JOHN S. KERR, Sherman, Texas.

The soil of this great section is, for the most part, rich. The quality, as a rule, is above the average for the United States, and the percentage of good land to waste land is also above the average for the United States. There are millions of acres of rich virgin soil of dark chocolate loam on clay subsoil, other millions of "black waxy" soil underlaid at one to thirty feet below the surface by a rotten limestone formation and of which this soil was formed, and which is largely denuded, or prairie; other millions are sandy loam underlaid with porous red clay and naturally covered with post oak, hickory and other timber, or running to the lighter sand, covered with fine pine forests. The forests of the Southwest contain a wealth of most valuable timbers of almost every commercial class of both soft and hard wood.

The minerals of the mountainous part of this great section are important. The exhibit from this section at the St. Louis Exposition showed a variety and a wealth of minerals exceeded by no other section, as was attested by mineralogists of the highest authority and ability.

The climate is most comprehensive, varied, salubrious. The elevated wind-swept plains of western Oklahoma, Texas, and New Mexico, are healthy, exhilarating and free from malaria, and from fungous and other diseases. These plains, once the ranchman's pride, are now fast becoming the land of the apple, the pear, the vinifera grape and alfalfa; the mild, genial and damper climate of the Mississippi and Red river valleys, the land of the peach, and every fruit and farm crop; the central prairie section of Louisiana and Texas, adapted to a wide range of fruits and standard crops; the semi-tropic coast section of Louisiana and Texas, where the land of the orange, the fig, the magnolia, the gardenia, or cape jasmine, the strawberry, the trucker's paradise, also the rice and sugar field of America; almost the entire Southwest section being the "land of cotton, corn, wheat, oats; alfalfa and stock farming."

In fruit culture, the Southwest is developing at a rapid rate. In Arkansas, Oklahoma, East, North and West Texas and New Mexico, all classes of standard fruits grow finely. In a large part of these sections the boll weevil's attack on cotton, a leading money crop, is causing a great turning to fruit culture as a means of diversification. The 1900 census gives a very erroneous idea of the present developments along these lines, so we cannot safely give detailed figures.

Over three hundred nurseries have sprung up in this section to supply the demand for trees, and many foreign nurseries here find sale for their products. As in most countries, there have been abuses practiced; being an open field, this has been the dumping ground for much diseased and untrue stock in the hands of wild cat salesmen. The effect has been the lowering of the standard of the nursery business, and a reckless disregard by many tree planters of their obligations in accepting the trees ordered. The leading native nurserymen are striving hard to correct all these abuses and to raise the business up to a high standard in all phases of the work by better varieties, better stock in both growing and grading, and better handling, by higher prices, and by straightforward, high-toned methods and practice.

There is already a marked improvement, and still there is room at the top.

The utilitarian age in this section is no longer exclusive in the planting of nursery stock. There is a growing tendency toward the planting of ornamental stock in the home grounds, in the cemetery and in the park. The varied climatic and soil conditions, so different from the older sections further East and North call for a class of fruit and ornamental trees and flowers adapted to these conditions, therefore, enterprising nurserymen and planters have sought out and created, as it were, many things in both classes "to the manner born." Space will not permit the enumeration of these. "Southwestern Horticulture," a volume recently published, contains much of interest along these lines. Copies may be had of Texas Nursery Company, Sherman, Texas.

ELEMENTS FOR SUCCESS IN THE NURSERY BUSINESS.

J. B. PILKINGTON, Portland, Ore.

When I started in the nursery business, all we had to do was to grow a stock of trees. So we grew a little of everything and tried to see how many varieties of apples, pears, and plums we could raise to satisfy the wants of the planter who wanted a family orchard "just for variety." Our order generally read, "put in one or two of every variety you have." The evil of the nursery business in those days was too many varieties—I am afraid the evil still exists.

Nowadays, it is one thing to grow trees and another to sell them. There is a story told of a man who had a herd of cattle and yet died for want of a beefsteak. So, with the nurserymen who are good growers, and raise a fine block of trees. They can't eat trees, and they die with trees on hand.

A good grower when he delivers the product of his fields to the packing house, has earned 25%. Then comes the disposing of them. If very successful he sells all and 35% is added, thereby realizing 60%. But supposing this only reaches the 50% mark, then come the collections and "where are we at?" You can figure this at 40% or 100%.

In a conversation, a nurseryman who operates extensively, informed me that 75% of his collections were in on June 1; it seems, in view of the fact that slow collections get slower and slower, that 75% is a very poor showing. No matter how good prices one gets, the loss of 25% or even 15 or 10% is too great. Upon the collections depend our success.

The nursery business of today is tremendous in its scope, and to master it in all its detail, is too much to undertake and likewise, unnecessary for any one mind. In my humble opinion, the specialist who follows along any one of the many diversified branches of nursery work has more chances for success than one who handles everything. But whoever grows good stock, sells it, and collects 100%, ought to be successful; if he collects less, his success will be proportionate. There is no royal road to success, and incidentally, "There is nothing succeeds like success."

If you have a surplus of any kind of stock make it a surplus of cash by advertising in the NATIONAL NURSERYMAN.

EXHIBIT AT SALEM CHERRY FAIR.

The following rules which governed the exhibits at the recent Salem, Ore. Cherry Fair and Carnival, July 9-11, contain many valuable points:

RULES GOVERNING EXHIBITS.

1. A plate of cherries or berries should contain one pound. Stems of cherries must be left intact.
2. Carton exhibits must be entered and judged separate from the regular ten-pound box.
3. All fruit entered for prizes must be correctly labeled and must be in the hands of the Exhibit Committee before 9 A. M. of the opening day. All fruit will be judged and awards made before the doors are opened to the general public.
4. In collections duplication of varieties will not be permitted.
5. Exhibitors must file with the Secretary, on or before the first day of the fair, the name of exhibitor with complete list of varieties entered by him.
6. Entry cards furnished by the Secretary must be placed with all exhibits for the guidance of the Judges.
7. All exhibits must be free from any name or address or anything that would indicate where the fruit was grown or packed, until after the awards are made.
8. All articles placed upon the tables for exhibition must remain in charge of the Exhibit Committee and cannot be removed before the close of the fair, without express permission of this committee.
9. Three judges shall be appointed who shall judge all exhibits, and in all cases their awards shall be final. No judge shall be allowed to enter fruit in competition.
10. In plate exhibits judges shall consider size, shape, color, freedom from blemishes, care in arrangement.
11. In commercial exhibits judges shall take into consideration size, color, freedom from blemishes, and neatness in pack.
12. Any box of fruit, receiving a cup premium, must go to the donor of the cup.

FIRE AT SHERMAN NURSERY.

During a heavy thunder shower on the night of June 27 the immense barn of the Sherman Nursery Co., Charles City, Ia., was fired by a bolt of lightning. About twenty head of stock was in the barn at the time, besides the harnesses, etc. Five horses and three mules were burned and all other property. The building was totally destroyed. Loss on barn is \$4,000, and \$1,600 insurance was carried on the bran, grain, implements, etc. None of the horses were insured, and the total loss will be about \$8,000. The building was of the most modern style and will be replaced at once.

ANOTHER DISCOVERY.

This is the age of invention and we call the attention of nurserymen to a wonderful discovery, notice of which appears in the press.

"Henry M. Linabury, retired druggist, has evolved a fruit tree tonic. Applying principles of chemistry he concocted a solution in which he soaked iron nails about an inch and a quarter in length. When the nails had taken up sufficient of the liquid he drove them into his fruit trees. He declares that last season his trees bore plentifully, while those of his neighbors were fruitless. He has soaked a quantity of nails in the tonic and is now offering them to fruit growers for experimental purposes. He maintains that fruit trees need nourishing as much as the soil, and that the quickest way to get results in the trees is to apply the tonic direct to the trees."

Aaron Miller & Sons, Milton, Ore., who have been in the nursery business for some time have just incorporated. The name of the new company will be the Milton Nursery Co. All the private lands of the Miller sons and the lands of Aaron Miller in this vicinity have been sold to the company, the sales under private ownership amounting to about \$15,000.

A LETTER FROM TEXAS.

EDITOR NATIONAL NURSERYMAN.

Dear Sir: I am enclosing \$1.00 for which move my subscription up 12 notches. I could not keep house without the NATIONAL

NURSERYMAN. Six acres of new nursery ground have been added to my original 20 acre tract. I expect a better year this year than last. My plantings are 50% greater than any previous year, especially of *Magnolia grandiflora* and other ornamentals.

Yours truly,

ROTANS EAST TEXAS NURSERIES,
Woodville, Texas.

June '09.

The Fancher Creek nurseries of Fresno had a rushing business during the season just closed. Forty packers were kept busy getting out the orders, while the office force consisted of six stenographers and thirteen clerks and bookkeepers. This indicates great prosperity.

Geo. W. Jones, proprietor of the Valdesian Nurseries, Bostic, N.C., says that they are having a splendid season and that everything is growing nicely, better growth and prospects in everything than for many years. Their sales are good, the old customers continue to increase the orders, with inquiries and demand for stock from all parts of the country.

Attention is called to their speciality which is advertised elsewhere in our columns.

The Williamsburg Nursery Co., Williamsburg, Ia., has purchased 10 acres of land adjoining Cedar Rapids which it will at once begin to develop. The business will be held in Williamsburg until the new location is fully prepared to handle all trade, which will be about three years from the present time.

1908-09 catalogue from The Union Nursery. H. W. Van der Bom, Director Oudenbasch, Holland. Sole Agents, Mc Hutchinson & Co., New York.

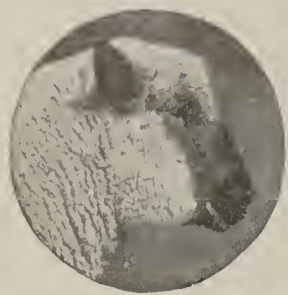
The Willis Nurseries

OTTAWA, KANSAS

OFFERS for sale for fall of 1908 and spring of 1909 a choice general assortment of Fruit and Ornamental trees, Grape vines, including 100,000 Concord, and other leading sorts, Shrubs, Hedge, Small fruits and Forest Seedlings. 20,000 choice 1 yr. Privet. We shall be glad to make prices to any one needing goods in our line.

A. WILLIS,
Ottawa, Kansas

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company
AURORA, ILLINOIS

DREER SPECIALS

For FALL 1908

PÆONIES
PHLOXES
JAPANESE IRIS
GERMAN IRIS
TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere.

Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

STRAWBERRY !

RASPBERRY !

BLACKBERRY !

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

Red Star Raffia MUST "Make Good"

We stand ready to replace any that proves inferior. That is why you take no risk in trying it, and once used—especially if you have ever been fooled on the so-called cheap, promiscuous brands—you will always insist on having "RED STAR." Strands are long, strong and of good color. Send for free sample.

FRUIT TREE SEEDS

Too early to predict the harvest, but those who order now will fare better than the late arrivals.

TELL US YOUR WANTS NOW.

Thomas Meehan & Sons, Inc.
DRESHERTOWN BOX T. PA.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of
HARDY PERENNIALS

Including the New Hardy
TUNICA SAXIFRAGA FL. PL.

(Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PAEONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

ESTABLISHED 1870

Special Offers for the Fall 1908

Large stock of 2 yr. Apple in both Buds and grafts.
Peach one year largely 5-8 and up.

Early Harvest B. B. root grown plants in both one
and two year.

General line of nursery stock at lowest prices.

Send want list for special prices.

Parsons Wholesale Nurseries

E. P. BERNARDIN PARSONS, KANSAS

North Carolina Natural Peach Pits

You always have a stand of healthy seedlings when
you plant North Carolina Naturals. Orders will be booked
now and filled in order booked. Let me hear from you
with estimate of wants and I will make prices right.

REFERENCE BRADSTREET.

Address, JOHN A. YOUNG

GREENSBORO NURSERIES,

GREENSBORO, N. C.

The Willadean Nurseries

OFFER FOR SPRING 1908

A general line of first class Fruit, Shade, and Ornamental Trees
Shrubs, Roses, Evergreens, Herbaceous Plants, Forest Tree seed-
lings, including Catalpa Speciosa. Small Shrubs for transplanting
Special prices quoted on Snowballs, Spirea Van Houttii, Reevesii
and Billardi. Berberis Purpurea, and Vulgaris from 2 to 6 ft.
Write for prices.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

FOR SALE

A few thousand peach in commercial varieties. Fall 1908.

R. R. HARRIS, Harrisville, W. Va.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

The Cureton Nurseries

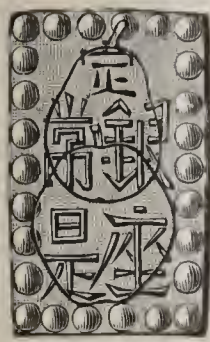
AUSTELL, GA.

I have some large Magnolia Grandiflora, Catalpa, Arborvitaes,
2 and 3 years old. Also 7,000 Pecans, English and Black Walnut
Trees, 3 years old. This stock must be cleared of the land this
fall. Prices attractive.

Try some of my Martin's September Peach. I will let you have
the Trees and Buds too. General line of other Nursery Stock not
mentioned above. Write for prices to-day.

JAMES CURETON, Proprietor

When writing to Advertisers mention The National Nurseryman.



HEIKES--HUNTSVILLE--TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909,
Pears, Plums, Cherries, Peaches, Roses, and
Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other
nursery in the United States. Our stock for the coming season,
while not as large as usual, will be sufficient to enable us to make
reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early
Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess
d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and
Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock
of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both
in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These
are grown at our branch nurseries at Biloxi, Miss., where the condi-
tions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of
the favorable conditions found there for their propagation. Our
stock is large, consisting principally of Hybrid Perpetuals, Mosses,
Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by
W. H. Bell, the Superintendent of these nurseries. It does the
work perfectly and will be on exhibition at the Nurserymen's
Convention at Milwaukee.

Address, W. F. HEIKES, Manager,

HUNTSVILLE, ALA.

Richard Smith & Co., Limited

(Established 1804)

Nurserymen, Seed Merchants and Florists

WORCESTER, ENGLAND

The nurseries are some hundreds of acres in
extent and enquiries are solicited for all kinds of
stock, particularly the undermentioned which are
grown in large quantities:

Evergreen and Deciduous Trees of all sorts
and sizes up to stems of 4 inches diameter.

Rhododendrons, best named sorts, also Cataw-
biense and "Parsons" varieties.

Clematis in great variety including several
which originated in the nursery at Worcester.

Roses, "tree," bush, or climbing; the newest
and best of all sections.

Manetti Stocks, carefully prepared and well
grown.

Fruit Trees and Bushes of every description.

Herbaceous and Alpine Plants. Also Aquatics,
a very choice collection.

Correspondence Solicited.

When writing to Advertisers mention The National Nurseryman.

CHERRY TREES

Is what we offer to the trade in car-load lots. Here we are able to hold the foliage on our Cherry trees till digging time, which enables them to store up great vitality,---therefore, they transplant better than trees from which the leaves have dropped early. SEE THE POINT! We have a large number of Montmorency and other leading sorts.

Also some Peach, Plum and Pear.

Come and see our trees or ask for sample and be convinced of their extra quality.

H. M. SIMPSON & SONS
Vincennes, Indiana

CHERRY TREES

ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas, Climbers, Ramblers, —THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now!
Get our quotations—Now!!
Ask for our catalog—NOW!!!

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior
ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

W. W. THOMAS
THE STRAWBERRY PLANT MAN
ANNA, ILLINOIS

200 ACRES IN PLANTS
ASPARAGUS AND RHUBARB ROOTS
NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

Bryant's Nurseries

PEONIES

50,000 to offer for fall of 1908.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

Ornamental Shrubs

all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

THE WINFIELD NURSERY CO.

Winfield, Kansas, yet have to offer 1-2 and 9-16 inch **Elberta**, a few **Speciosa Catalpa**, some fine, well grown **Shade Trees** and a small quantity of well home grown and **Imported Mahaleb**.

Watch our future advertisements.



The Winfield Nursery Co.
WINFIELD KANSAS

B. E. Fields & Son

Fremont Nurseries
FREMONT, NEBR.

Offer For
Late Fall Shipment 1908
Spring 1909

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS.

500,000 1 year GRAPES that promise to be fine.

ELM and MAPLE

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar 1 and 2 years. Branched and Whips.

Catalpa (Speciosa) Catalpa

Elm, Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our American agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.



NURSERY PRUNER NO. N

CUT IS EXACT SIZE.

No shoddy here. Sample by mail, 50c. Blade is hand forged and warranted. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California Pattern, post paid, \$1. Nursery and Florists' Propagating Knife, white handle, 50c.—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERY CATALOGUE.

MAHER & GROSH CO., 90 A Street, TOLEDO, O.

When writing to Advertisers mention The National Nurseryman.

J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON, Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa,
Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Spring '08, one of the Most Complete Assortments
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
and Native Plum, Peach, Ornamental Trees and a
fine lot of Poplars, including 1 yr. whips. Lots of
shrubs, vines, roses, evergreens, herbaceous and
perennial plants. Also a nice lot of 1 yr. grapes
that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Fall 1908 and Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2
yr., Champion, Orange, Meeches & Reas, exceptionally
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

On Your TRIP TO HOLLAND do not Fail to Come and See

The Royal Nurseries

GROENEWEGEN & SON

DE BILT, NEAR UTRECHT

SPECIALTY—First Class Ornamental Stock. Specimen
Trees for Parks, Lawns, Avenue and Roadside.

London Plane, Schwedleri's Maple, Lime Dasystylla,
Horse Chestnut, White and Red Flowered Thorns, Stan-
dard Pauls Scarlet, Elms large leaved, Wheatleyi Elm.

Hydrangea Paniculata Grandiflora, Variegated Negundo's,
Pear Pyramids, extra fine, extra fine strong Figs, Walnuts,
Filberts, Medlars, etc.

Street Cars for De Bilt every half hour in Utrecht Central Station.
Will meet visitors in Utrecht when advised in due time.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myroblan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

WANTED :

A competent young man with nursery office experience. Permanent position for the right man. Give references and state experience.

GLEN SAINT MARY NURSERIES CO.

GLEN SAINT MARY, FLA.

W. FROMOW & SONS, Windlesham, England

Specialties to Offer in Large Quantities for Autumn 1908—Spring 1909

Standard, Climbing, and Dwarf Roses, in 400 varieties; Hybrid Named Rhododendrons, in 120 varieties; Golden Privet, 6 inches to 6 feet; Hedge Plants from English Yew to Myrobellia; Standard and Bush Ornamental Trees, in great variety. Let us appraise your wants for FALL 1908, or next Spring delivery. Address our American Agents, also for our latest trade list.

AUGUST ROLKER & SONS, P. O. BOX 752 or 31 Barclay Street, New York

When writing to Advertisers mention The National Nurseryman.

LARGE EVERGREENS

A FINE LOT of Colorado Blue Spruce, Hemlocks, Norway and Oriental Spruce, Nordman's Fir and other choice conifers, 4 to 16 ft. high, recently transplanted. Ask for list.

SAMUEL C. MOON, Morrisville Nursery, Morrisville, Pa.

TWO CAR-LOADS

RHODODENDRONS MAXIMUM

Nursery grown, transplanted stock 2 to 4 feet to "highest bidder." Fall Delivery.

MILFORD A. RUSSELL

Altifirma Nursery,

Highlands, N. C.

WANTED: A competent man to take general charge and management of a nursery. Good salary to the right party. References given and required. State what training and experience you have had, also salary required. All correspondence to be strictly confidential. Address,

"NATIONAL NURSEYMAN,"

Care of National Nurseryman Pub. Co., Rochester, N. Y.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD, CO., Fredonia, N. Y.

We beg to remind you that we are headquarters for the sale of Asters and other Cut Flowers in this city. Should you or any of your friends have any to send to the market we assure you top prices and prompt payments for the same. ¶ Kindly keep us in mind when you are ready to ship

GEORGE SALTFOORD

Wholesale Florist

43 West 28th Street : : New York City, N.Y.

REFERENCES:

Corn Exchange Bank and R. G. Dun & Co. Mercantile Agency.

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

WOOD LABELS FOR NURSEYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

Lindley, Climax Peach Seed Planter

Will be on market in time for coming Fall and Winter planting. Look out for testimonial in September issue of this Journal in its favor. : : : :

Yours &c.,

C. S. LINDLEY, Patentee and Owner
Lynchburg, Va.

WANTED NURSERY FOREMAN

Temperate, industrious party experienced in growing ornamentals. Desirable and permanent position to right party.

Address, **NEW ENGLAND,**
care "National Nurseryman."

When writing to Advertisers mention The National Nurseryman.

F. E. SCHIFFERLI

FREDONIA, N. Y.

Grape Vines and Currant Plants

A SPECIALTY

CORRESPONDENCE SOLICITED

Fifty-Sixth Year Under One Management

American Everblooming Hydrangea

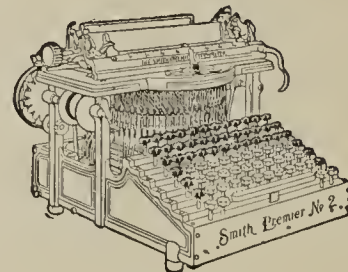
(H. Arborescens Sterilis)

Called also "Snowball," "Hills of Snow" and "Grandiflora Alba."

WE OFFER—The largest stock of 1 and 2 year nursery grown plants in America of this best of all HARDY flowering shrubs introduced in recent years.

Peonies. A large and very choice collection, Festiva Maxima, Felix Crousse, Princess Beatrice, Floral Treasurer, Golden Harvest, and 100 other fine sorts. Descriptive circulars free.

The E. Y. Teas Co.
Centerville, Ind.



World-Wide Distribution

There is no mistaking the superiority of a typewriter that, in 17 years, has built up a market in every part of the civilized world. This international endorsement of : : : :

THE SMITH PREMIER TYPEWRITER

proves our right to offer it to you as the world's best typewriter. Write us or any Smith Premier branch for a detailed description of its advantages.

**The Smith Premier
Typewriter Co.**

36 Exchange St.,
ROCHESTER, N. Y.

When writing to Advertisers mention The National Nurseryman.

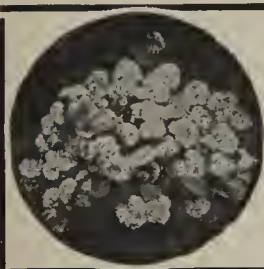
THE NEW
HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost
J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

PEONIES

IRIS and PHLOX

A new catalogue with Cultural Directions and a Surplus List for the trade. **T. C. THURLOW & CO.,** West Newbury, Mass.



HYDRANGEA
(Arborescens)

GRAND. ALBA. A taking novelty for FORCING. Strong field grown. 10 to 15 inch and up. Write for prices.

THE ELM CITY NURSERY COMPANY,
NEW HAVEN, CONN.
New Forcing and Garden Hydrangeas.

ESTABLISHED 1859

PEACH SEED

We are now prepared to furnish the Virginia Natural Peach Seed Crop 1908—These seeds have for 1/2 a century proven to be the best seed, as we can show from our testimonials from the leading Nurseries of the country.—Get your seed early—as early planting produces the best results.—Later on we will be able to supply Tenn., N. C., and other Southern seed, if to be had. Send for catalog and testimonials.

W. W. WITTMAN & CO.,

117 Hanover St., Baltimore, Md.

P. O. Box "451"—C. & P. Phone—St. Paul "4382."

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

2 1/2 Inch Pots

ROSES

4 Inch Pots

On own roots, summer grown, winter rested, for lining out.

Send want
list to

THE LEEDLE FLORAL COMPANY®
SPRINGFIELD, OHIO.

400 Best
Varieties

R. C. PETERS & SONS,

Successors to WM. M. PETERS' SONS.

OF SNOW HILL NURSERIES,

OFFER FOR FALL, 1908

PEACH TREES—more than fifty leading varieties one year from bud, aggregating upward of a million fine trees.

KIEFFER ST. PEARS—two years fine stock.

CALIFORNIA PRIVET—one, two and three years, finely branched large stock.

GRAPE VINES, 30 acres—one and two years fine roots and fine varieties in greatest quantities; Concord, Moore's Early and Niagara.

WHOLESALE LIST NOW READY.

Long Distance Phone:
Ironshire, Md.

Telegraph Office:
Berlin, Md.

Post Office: IRONSHIRE, Worcester Co., Md.

SPRING HILL NURSERIES

Formerly of TADMOR, OHIO, now located at

TIPPECANOE CITY - Miami County, Ohio

A full line of **Nursery Stock** especially

Peach, Kieffer Pear, Japan Plum, Black Locust Seedling, Silver Maple Seedling, Ornamental and Shade Trees, Hardy Shrubs, Perennials, Transplanting Stocks

ALL SUPPLIES NEEDED BY DEALERS

See us for Catalpa Speciosa for year of 1909.

Correspondence and personal inspection solicited.

PETER BOHLENDER & SON

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, **SPIREA** Van Houttei and **ALTHEAS**.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for fall and spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first.

VALDESAN NURSERIES.

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.

W. H. HARTMAN

DANVILLE, N. Y.

Grower of

Standard and Dwarf

PEARS

CHERRIES AND QUINCES

European and Japan

PLUMS

Get my prices before ordering elsewhere

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch, well branched and good roots, 10,000 Vinca Minor, (Grove Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch, one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

New Amsterdam Hotel

4th Avenue and 21st Street, NEW YORK



European Plan

Rooms with use of Bath \$1.00 and up. With Private Bath \$2.00 for one \$2.50 for two and upward.

NEW BATHS and PLUMBING

Most Convenient Location in City

From 23rd Street railroad ferries or from Grand Central Station, take cars direct to hotel; no transfers.

SPECIAL RATES MADE

When writing to Advertisers mention The National Nurseryman.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,

NURSERYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE,

VERY GOOD PACKING.

WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low.

Packing Secured.

Catalogue Free.

Write direct to us, we have no agents.

Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.

Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted. Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up
" " 3-4 to 1 in " " 5-8, to 3-4, and
" " 5-8 to 3-4 & 1-2 to 5-8 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

Hardy Border Plants

COREOPSIS—Shasta Daisy.

GAILLARDI—Sweet William and all leading Perennials.

AURORA NURSERY CO.

AURORA, ILLS.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



PEONY, TRIOMPHE DU GRAND

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it. Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen—Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

ROSES

Own Roots and Budded. Big blocks and fine stock. Two year old
No. 1 plants. Will be graded right up to the "J. & P." standard.

A Few of the Good Ones to be had Now:

Crimson Rambler
Lady Gay
Hiawatha
American Beauty
Anne de Diesbach
Ben Cant
Caroline de Sansal
Coquette des Alps
Caroline Marneisse
Frau Karl Druschki
Fisher Holmes
General Washington
Gruss an Teplitz
Hugh Dickson
John Hopper
Jules Margottin
La France
Magna Charta
Mrs. John Laing
Margaret Dickson
Marchioness of Lorne
Mary Washington
Mrs. Cleveland
Oakmont
Paul Neyron
Pierre Notting
Ulrich Brunner

Dorothy Perkins
Minnehaha
Trier
Alfred Colomb
Bob Davison
Baron de Bonstettin
Clio
Coquette des Blanches
Caprice
Francois Levet
General Jacqueminot
Gloire Lyonnaise
Gloire de Margottin
Harrison's Yellow
John Keynes
J. B. Clark
La Reine
M. P. Wilder
Mrs. R. G. Sharman—Crawford
Mme. Georges Brunt
Mme. Gabriel Luizet
Madame Plantier
Marchioness of Dufferin
Persian Yellow
Prince Camille de Rohan
Pride of Waltham
Victor Verdier

Ramblers

Climbers

Mosses, etc.

SEND LIST OF WANTS FOR PRICES.

P. S. Newark is headquarters also for Clematis, Tree Hydrangeas, Ampelopsis, and
some other specialties which our soil and climate produce to perfection.

Jackson & Perkins Co.

Dispensers of "The Preferred Stock"
Grown at NEWARK, in WAYNE COUNTY
NEW YORK STATE

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries, Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall
delivery, from 10 inches to 3 feet.



**ALTHAEA
MEEHANII**

(Hibiscus Syriacus)
(New variegated
single flowering
Althaea).

Field grown
**DOROTHY
PERKINS,
CRIMSON
RAMBLER,
and MARIE
PAVIE Roses.
AZALEA**

**INDICA,
CAMELLIA,
MAGNOLIA**

grfl.,
**WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP**

POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman

When writing to Advertisers mention The National Nurseryman.

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

1857-1908

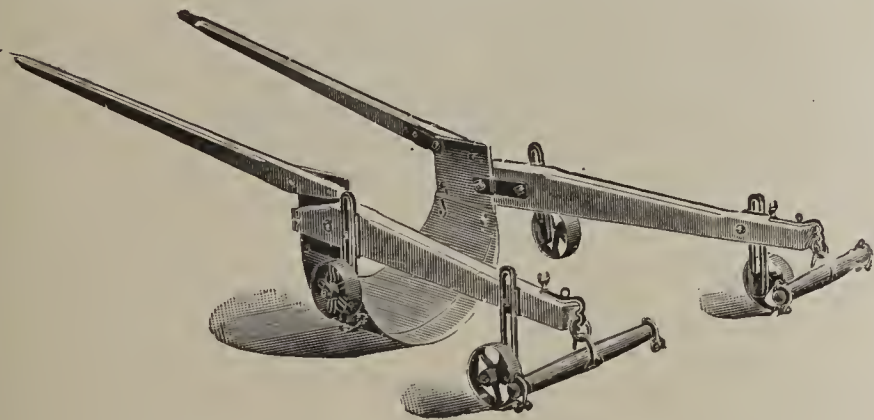
L. G. BRAGG & CO.

Growers of

No. 1 NURSERY STOCK

Also Manufacturers of

Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day, and
only needs same power as a plow.

L. G. BRAGG & CO.
KALAMAZOO, MICH.

When writing to Advertisers mention The National Nurseryman.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY
Representing in United States and Canada

Vincent Lebreton, Angers, France
Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.
Exports Exceed 20,000,000 Stocks Annually.
Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.
Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities. Lowest Prices.
Write for special price lists, catalog, etc.

Royal Tottenham Nurseries
Deedemsvaart, Holland

Largest Growers of
HERBACEOUS PLANTS, PERENNIALS, ETC.
Write for catalog.

We are direct importers of
ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,
The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.
Stock always on hand. Samples sent free.
BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.
17 Murray Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.



Interior of the Main Cellar
RICE BROTHERS COMPANY
Geneva, N. Y.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., SEPTEMBER, 1908

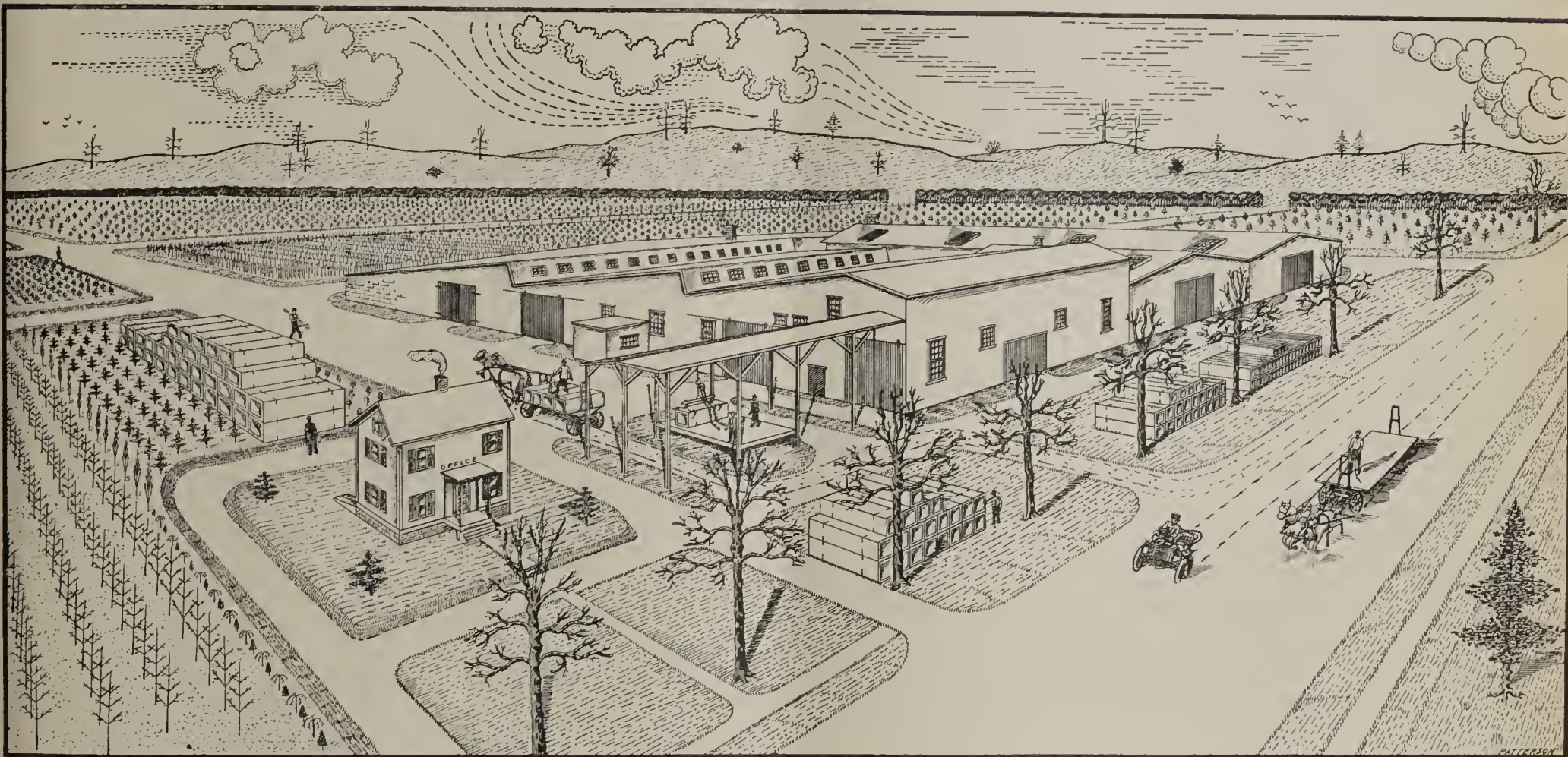
No. 9

RICE BROTHERS COMPANY

GENEVA, N. Y.

The picturesque country surrounding Geneva is peculiarly adapted to the growing of nursery stock; the soil is rich and climate so tempered that most species of stock grown are hardy and well formed. Owing to the favorable weather conditions that have prevailed in this region during the summer, green things of every description have flourished

The weather-beaten sign of the old office still records this title. After some years, John Rice, Sr., made over the business to his sons who took the name T. W. and J. P. Rice. Under this name they continued for a few years and last year, 1907, they assumed the title under which they now conduct the business.



General View of Packing Grounds and Office.

and have been singularly free from diseases and pests. On every side, the farming lands show the benefit resulting from plenty of moisture combined with a proper amount of heat. This is particularly true of the stock being grown by the firm of Rice Brothers Company. Their trees and miscellaneous stock are covered with healthy foliage of fine growth and form. The many acres given to one- and two-year-old apples, peach, plum and pear trees are a refreshing sight. This, combined with the effect of careful and thorough cultivation, leads one to congratulate the two genial and hospitable brothers upon the results of their hard work for this season.

THE OFFICE AND PACKING SHEDS.

The firm that is now known as Rice Bros. was originally started by John Rice, senior, some twenty-five years ago with the main office just across William Street from the site of the present office and packing sheds. A few years after the founding, the name of the concern was changed to J. Rice and Sons.

The abilities of the two brothers have adapted them admirably to the successful conducting of their interest. T. W. Rice has talent for the managing of the business phases of the nursery trade while John P. Rice has a rare knowledge of the facts that lead to successful growing. The results of the latter's ability are seen in the splendid stands of stock.

The office and packing shed cover a considerable area. There is a great deal of picturesque beauty in the home grounds. The interior arrangement of the packing sheds is not greatly different from that of the usual packing house. There are the sorting rooms for the large stock and the boxing room and loading platform. The work on the latter place is greatly facilitated by overhead tracks that aid in loading.

The hauling is done in wagons built specially for the purpose. The station is a mile and a half distant but one wagon averages during the busy season eight loads a day.

THE CELLARS.

Adjoining the packing rooms the cellars open out on two sides the larger one being for the storing of the fruit stock,



The Waterloo Branch of Rice Brothers Company.

apple, pear, plum and peach. The smaller stock of various kinds is found in the cellar of smaller capacity.

A peculiar system of ventilation has recently been installed by the two brothers. Noticing that the space immediately under the roof was warmer than it should have been for preserving the stock in a dormant condition, they constructed a system of air channels which not only supply the air-spaces in the roof with live air but also provide for the carrying away of the dead and heated air. The system has been a great success as shown by results.

Near the cellars are two large propagating beds in which are found hydrangeas and similar plants. Glass covers and canvas screens provide for the proper regulation of heat and light. The beds are so banked that they are dry and warm.

THE FIELDS.

The holdings of the firm aggregate about 166 acres which are divided into four plots, the home grounds which comprise 35 acres, the main field of 101 acres, the Waterloo Branch 20 acres, and a 20-acre field of peach and ornamentals. The firm has also a large acreage throughout the state being grown under contract. The number of acres actually under the company's control by possession and contract amounts to decidedly more than the figure given above.

The plants grown by the company this year total about 3,000,000 of which 450,000 are apple, 175,000 pears, 40,000 dwarf pears, 300,000 plum, 300,000 cherry, 450,000 peaches, 5,000 apricots, 300,000 currants, 20,000 gooseberries, 10,000 rhubarb, 200,000 ornamental trees, 50,000 evergreens 300,000 hedge plants, berberries, California privet and the like, 250,000 ornamental shrubs and

150,000 roses. These are singularly free from disease and fungous growths. A short but successful fight against the insects has resulted in victory and today, as shown by the state inspector's certificate, the plants are entirely free from diseases. The smooth, healthy bark of the trees is a good testimonial to the same effect as the inspector's certificate.

Rice Brothers guarantee their stock to be free from disease, scale and insect pests of every description. Every season as stated above, an inspection is made by a representative of the Department of Agriculture of the State of New York and a certificate is granted them stating that their stock is apparently free from contagious or infectious disease or diseases. As an additional precaution they maintain a fumigating house wherein suspected stock is fumigated with hydro-cyanic acid gas.

STOCK.

The apple trees are two and three years from bud when delivered and are grown on imported French seedlings which are held to be better than the American seedlings. Well developed bodies and well developed roots are thus insured. The soil around Geneva is well adapted to the growth of pear and the stock is uniformly healthy and vigorous. Rice Brothers make a specialty of the *Duchess d'Angouleme* and *Louis Bonne*, dwarf pears. Their plum stock, which is hardy, are well formed and show the results of careful cultivation. The Burbank plum is not cultivated so often owing to the brittleness of the branches. Their trees of this variety are perfectly developed.

Special attention has been given by this firm in the past few years to the growing of peaches. The seedlings are grown from Western North Carolina natural pits and are guaranteed to be free from the yellows. Buds are



A Stand of Cut-Leaf Maple.

renewed at least every four years thus insuring the genuineness of the stock delivered. In this connection, the method of cultivation of the currant may be mentioned. The bushes are allowed to fruit and those that come true are cut back. The result is stock that is of sturdy growth and true to name.

SOUTHERN NURSERYMEN'S CONVENTION.

The Southern Nurserymen's Association now wants to hold all their conventions in future in Atlanta, Ga., at the Piedmont Hotel. The reason of this is because of the splendid accommodations given them at this hotel, and the royal welcome and the magnificent feast spread for them by the Atlanta Chamber of Commerce, and other courtesies shown them by the people and the press of the city.

The tenth annual convention met the 19th and 20th of August and held what is generally considered the most pleasant and profitable meeting in the history of the Association. If a member had learned some new fact, or made some new discovery of value to the tree growers, his brother tree growers of the Southern Association, had the benefit of his experience. If his experiments proved a failure, the story was also told so that a vast fund of the finest class of information in regard to all the details of growing, handling, shipping and marketing nursery products was dealt out to those who were fortunate enough to be present.

The program, as printed in last issue of the NATIONAL NURSERYMAN was presented, almost in full, and covered practically all the problems before the Southern Nurserymen today. It was rather encyclopedic in its nature, but in five long and busy sessions, the ground was pretty well covered.

The convention was called to order by president Chas. T. Smith of Concord, Ga., at ten o'clock on the 19th. Asa G. Candler, one of Atlanta's millionaire manufacturers, and president of the Atlanta Chamber of Commerce, delivered a genial address of welcome, to the convention, which was much appreciated. This was responded to by the president of the convention, after which the tree growers got right down to business.

After the first day's work, the convention was led to the top of the 18-story Candler building, where a watermelon feast had been provided in our honor. We all tried to do justice to the occasion, but the feast was so great, we could not make the impression on it that should have been made. We needed about 200 more members to help do the thing right. Later a car ride was given the nurserymen, and the many points of interest in the city pointed out. Henry B. Chase of Huntsville, Ala., was elected president for the ensuing year, and Huntsville selected for meeting point. A. I. Smith of Knoxville, Tenn., was re-elected secy-treas.

TEXAS STATE HORTICULTURAL SOCIETY.

We print parts of a circular letter sent out by W. B. Munson, Denison, Texas, to members of the Texas State Horticultural Society. Any of our readers who desire to become members may do so by remitting the annual fee, \$1.00 per annum, to the Secretary, Prof. E. J. Kyle, College Station, Texas. Attention is called to the winter meeting which will be held in January at one of the following places, the exact one to be decided later, Brownsville, Corpus Christi, Temple and Austin. Members are requested to inform the Secretary of their choice of place.

"As you are aware the twenty-third annual meeting of this society was held in conjunction with the Farmers' Congress at College Station on July 7 to 9, was pronounced a success and those who attended felt well repaid for the trip. At this meeting the members surprised me in their selection

of President for the ensuing year, by bestowing that honor upon the writer. Since they have so honored me, I will do the very best I can to discharge the duties of the trust, and it will be my ambition to make the Texas State Horticultural Society second to none in the United States notwithstanding the fact that we are at a great disadvantage as regards financial means and State support as compared with many similar organizations of the other states. To attain this position I earnestly ask for the support and co-operation of every member.

"We yet need a largely increased membership and one of the many good



One of the Propagating Beds of the Rice Bros. Co. •

things you can do is to bring to notice in your local paper the grand and important work of this society and to get those who are interested in horticultural work to join. Also to personally solicit the membership of your friends or neighbors thereby doing them and the society a great good, as with a large membership we can do much more effective work. We are now promised the publication of our worthy reports by the State Department of Agriculture, and we should encourage such aid by a large and growing membership and well attended meetings. Remember that one does not have to be a commercial fruit-grower to be eligible to membership, but all who are interested in matters horticultural are invited to join; this includes the banker, the merchant, the lawyer, the farmer, the laborer or any one who loves his tree or shrub even if only planted on a small town lot.

"It is the ambition of the officers and members of this Society to make the coming winter meeting the grandest success in its history. To this end I hope you will aid all you can. Make an exhibit and attend. Any suggestions for the good of the Society are at all times in order and are desired by all of the officers and committees and they hope you will not hesitate to offer such."

EDITORIAL WANDERINGS V.

GERMANY AND HOLLAND.

After being on the move for seven weeks the madam was well content to come to rest for a period, when a comfortable hotel and agreeable surroundings appeared. Such conditions were fulfilled in Freiburg, the principal city of the Black Forest of Germany. For a genuine loafing place well supplied with beer gardens, apart from disturbing elements of any kind, it is highly to be commended. The environs of the city are replete with shady walks through pleasant valleys along mountain sides or rushing streams and always perfumed with the aroma of fir and spruce. This forest region is thoroughly and systematically regulated. It is run on the "cut clean and replant" plan. When the trees are ripe they are harvested and the ground replanted. Small nurseries are maintained at convenient places where the necessary trees can be promptly secured.

NURSERIES AND SEED GROWING IN GERMANY.

The trade in these lines is not concentrated in any particular place, although there are several noted seed-growing centers. Perhaps the most interesting of these is that found near the ancient town of Erfurt. This lies just outside of the Thuringian mountain region, an interesting wooded section in central Germany.

The Erfurt seed farms are located on the expanded river bottom contiguous to the city and extend for some miles along the stream. The soil is generally a mellow sandy loam though occasionally it stiffens into clay loam. The seed-growing industry has been established here for many years. It differs materially in method from American seed growing centers in that the majority of the firms grow all their seed on their own farms or land immediately controlled by them—at least that is the claim. Nowhere, except in California, the land of big things, have I seen such gorgeous stretches of color as these flower fields presented. Imagine acres of sweet peas, pansies, phlox and the like, and all in bloom. Most firms supplement their field equipment with extensive ranges of glass houses and of course well appointed storing and drying houses are essential. A great deal of the field labor is done by women. The laborers are divided

into gangs headed by a leader who sets the pace and "keeps up the gait."

In the Thuringian region, Fonest tree seeds are a specialty. The supply of native tree seeds is large and the opportunity for growing seedlings excellent.

One cannot help noticing the influence of the large city upon the nursery trade and Germany is a country of large cities, for in the environs of every city of any size the grower of ornamental trees is to be found. The growing of fruit trees is a minor line altogether. It is quite safe to say that there are half a dozen or more wholesale nurserymen in the United States any one of whom produces more fruit trees than are to be found in the combined nurseries of Germany.

The German nurseries produce specialized types of trees. They are trained for particular purposes. High stems, middle stems, low stems, cordon, espalier, dwarfs of different kinds can be obtained. These all require special treatment in the matter of propagation and training.



The characteristic feature of a Hollandish landscape, the windmill.

They are for the gardens of the amateur, for walls for borders, and but rarely for orchard purposes. As a matter of fact, Germany has no commercial orchards as we understand them. I imagine it would be difficult, if not impossible, to purchase a carload of one variety of apple in any one locality, nor is it likely that the American system of orcharding will ever obtain a foothold. Custom, tradition and methods of farming are all against it. The peasant farmer is not easily moved. The German fruit market is likely to remain open to American and Australian shippers for many years to come.

If the German nurserymen grows limited quantities of fruit trees he makes up for the deficiency in the line of ornamentals. These are grown not only in great variety but in great quantity. In the vicinity of Berlin, where the great Spatho nursery is located one may see ornamentals by hundreds of species as well as acres. The demand for park, street and private planting is large and of a specialized character. While the demand for fruit trees calls for relatively small quantities, yet the labor and skill needed to

grow these is very considerable. Where every tree in a block of five thousand is trained to stakes or trellis to give it special form the labor item is rapidly multiplied. Another feature one cannot help admiring in the planning of these grounds is the area devoted to demonstration and experiment. One nursery possessed a fine arboritum, another a splendid collection of fruit trees, another illustrations of the different modes of training trees on walls, arbors and trellises. These features are expensive but highly educational.

HOLLAND.

Our stay in Holland, the land of dykes, canals and wind-mills was comparatively short, but then it is a small country. The ordinary way of seeing Holland is run over to Amsterdam, rush around the city for a day, take a Cook excursion to the

Island of Matakan, then on to Belgium, or back to England. The beaten track of the tourist is a good one to avoid if you would see a country under natural conditions. One should take a canal trip or make a bicycle tour along interesting water ways or well kept road to appreciate the

country as it is, the quaint wind mills used for all manner of purposes, the rich pasture lands with great herds of black and white cattle, the comfortable cottages perilously near water level and above all the pleasant highways lined with beautiful shade trees.

When the nurseryman thinks of Holland, his mind turns to bulbs, Azaleas and conifers. You can get them too! The show season is in spring of course, but we found the July harvest season also full of interest. The bulbs in the great fields in the Haarlem and Leyden regions were being harvested, cleaned in the storehouses and packed in paper sacks preparatory to the shipping season. The Holland bulb grower is busy in July and August whereas the shrub grower is at his ease. The past season has not been very favorable for bulbs and the growers are not as happy as they otherwise might be.

If one wishes to see a really unique nursery section devoted largely to Azaleas and Rhododendrons, Boskoop should be visited. The soil is alluvial, covered with a peaty vegetable deposit, rich, forcible and therefore easily worked. The region produced fruit trees a couple of centuries ago but in the natural evolution of things these gave way to ornamentals of the Azalea tribe. More lately conifers have been

added with many other trees and shrubs of the more expensive types. The number of nurserymen in and about Boskoop is said to amount to 800, of which 200 are engaged in the wholesale trade.

As far as hedges or roadways divide areas elsewhere, so canals are the separating factors here. The land is usually divided into rectangles of uniform size. The labor is mostly performed by hand. The Holland as well as German nurserymen are hearty and hospitable. The properly introduced visitor always receives a welcome and goes away with the feeling that it was time well spent. J. C.

ENGLAND.

ENGLISH PARKS AND PARK TREES.

However one may hear and read about English parks his conception of them is sure to fall far short of their dignity

and simple beauty. A constant source of surprise are the great areas devoted to "breathing places" not only in crowded cities but in suburban places and even in the country side we find the "common" the title of which is vested in the parish and whose privileges and benefits belong to rich and poor



A field of Hyacinths in the vicinity of Lyden, Holland.

alike. Driving in Surrey, not 20 miles from the heart of London and almost in its suburbs, a few days ago, I was astonished to find great stretches of moor-land sometimes several miles in extent covered with purple heather, gorse and scrub pine. These areas belong to this or that parish and may not be sold except by authority of parliament. Of course this may not be an unmitigated blessing in every case as the money might be more useful than the land but the tracts as a rule are of little use for agricultural or gardening purposes and are better in the hands of all the people than being held by a speculator for exclusive personal gain.

But I was going to say something about the trees and parks. Certainly these constitute the chief glory of country life in England. We Americans have a justly fine opinion of our fine native trees. Our maples, elms, oaks, chestnuts and hickories are worthy of a great country; we rejoice in them as a national heritage but we must be prepared to award to little England the palm for possessing specimen trees of unsurpassed stature and beauty. We find these in the English beech, elm and cedar. A visit to Hampton Court, Richmond, Bushy Park or Windsor all quite near London will show the visitor as fine specimens

of beech, horse chestnut and Linden (called lime in England) as are to be found in the world. The English take a pride in these noble trees, too. They are not carved or sculptured by ambitious and ignorant persons as one often finds to be the case in America. No doubt it has taken long years of training to develop this point of view but it is bound to come in the new country as it has in the old.

The Englishman informs the American that the English elm is a much finer tree than the American form. This sounds absurd to western ears; nevertheless it is perfectly true from the English standpoint. When the position is reversed and the two trees are compared in the United States or Canada the same principle holds. The native tree is best in its own locality. American elm is comparatively short lived in England while English elm is unsatisfactory as compared

with *Ulmus Americana* in the Northern United States. So the lesson of native trees for permanent planting is impressed at home and abroad, a few foreign trees however have found agreeable surroundings in English parks. One of these is the Horse chestnut which hails from Spain. In Bushy Park, near Hampton Court there is a triple avenue

of these trees perhaps a century and a half old and a mile long made up of the largest trees of this species I have ever seen. Many are to be found with the stem four to five feet in diameter and proportionately high. The flowering time of these trees is a subject of comment by the London papers. In like manner the great beeches of Richmond Park (over 2000 acres in extent) are noble examples of their type. The cedar of Lebanon was evidently introduced very early along the valley of the Thames for, here are to be found wonderfully imposing individuals of this picturesque tree. As an example I photographed one tree near the archbishop's palace at Abington which had a spread of branch of over 100 feet. The great horizontal base branches were supported by uprights thus forming an arbor of wonderful beauty as the tips swept the ground. While the parks are modeled after the natural style of landscape gardening many of the private gardens follow the formal. Nearly all flower and kitchen gardens are formal in outline but their boundaries are so well marked by hedges and shrubbery that they fit into the whole scheme very

harmoniously. English parks and gardens are justly admired and loved by owner and visitor alike.

COVENT GARDEN MARKET, LONDON, ENGLAND.

One of the most interesting places in London to the Horticulturist is the great center of fruit exchange, Covent Garden. Here the business of selling fruit in all quantities from the needs of the small consumer to those of the wholesale handler goes on from four o'clock in the morning until sundown. The retailer has his innings early in the morning while the commission agent and the dealer operate when most convenient.

The market buildings are made up of a number of semi-glass roofed, depot-like buildings occupying a larger area in the heart of London a short distance from the Thames em-

bankment, close to the Strand and not far from Waterloo bridge. The scene at the market in early morning is almost indescribable. For the casual visitor the whole thing seems to be a babel of confusion, but to the frequenters of the market, order and system prevail and everything moves as is in the natural order of things.

The great produce wagons

of the truckers from Surrey and the fruit growers from the same region are jammed in so tightly that extrication seems impossible. The passageways are so narrow that push carts move with difficulty. If you would hear the cockney accent mixed with the brogue of the shires, Covent garden is the place. The American must use his imagination as well as lend a sharp ear if he would catch everything that is passing. The Italian and German talk with hands and body as well as tongue while the cockney accompanies his remarks with emphatic winks and expressive grimaces. The interest of the visitor becomes divided between the products and the handlers; both are mighty interesting.

The early market is practically over by nine o'clock. After this sales go on by commission houses and by auction. Much of the fruit is sold by auction. To the onlooker it strikes him as a hit or miss method, but there is a good deal of method in it after all. The purchaser of large lots knows what he is buying as well as the auctioneer what he is selling. There is a tremendous amount of desk pounding



General view of Haarlem, Holland, showing canals and shipping.

on the part of the auctioneer accompanied by a running fire of comment over the character of the bidding all of which is taken very good naturedly and as a matter of course.

At the time of my visit, August 10th, the last of the Oregon Newton Pippins were being worked off (the crop of 1907). These were sold at private sale and did not fetch as much or certainly not more than newspaper reports said they were sold f. o. b. in Oregon ten months previously. Somebody dropped some money in the transaction! They followed fresh Tasmanian and Australian apples and were at a disadvantage though they opened up remarkably well.

The visitor to this great fruit market is astonished at the great quantity of hot house grapes handled. I was informed that one growing company produced more than 300 tons annually from their glass ranges. Figs are also offered in considerable quantity in the fresh state. The packages differ radically from those used in the U. S. and Canada. The veneer basket is practically unknown. Heavy willow baskets are almost universal. Apropos of the American apple as known in Covent garden there was much caustic comment regarding the character of the pack of 1907. Poor packing was according to report all too prevalent. Canadian shippers despite the Fruit Marks Act came in for as severe scoring as their competitors without government inspection across the border. Purchasers will be disposed to buy this year not on the strength of the trade mark but on the merits of the fruit.

JOHN CRAIG.

London, August 13, 1908.

MARYLAND HORTICULTURAL SOCIETY.

The annual report of the Maryland State Horticultural Society, Volume X, 1907 is an interesting publication. Orlando Harrison was president of the society for this year, 1907, and the work of the society bears the impress of his energy.

HORTICULTURE IN EUROPE.

A Dutch firm has obtained, by crossing the cactus dahlias with single varieties, a new class, which they call peony flowered. They are very large, sometimes quite single, but for the most part having several rows of flat petals, more or less wavy or wrinkled, and having a tendency to split. The plants grow from three to six feet high and are said to be very decorative. Several varieties were certificated in Amsterdam in August last, among them Geisha, Bertha von Suttner, Andrew Carnegie, Hugo de Vries.

The *Revue Horticole* notes the beauty and hardiness of the later hybrids of *hemerocallis*, mostly of English or German origin, which comprises most of the shades of yellow and orange, among them Aureole, very large orange flowers; Citrina, freely branching lemon yellow; Sovereign, chrome yellow, very lasting and especially large. For border plants blooming in June and July they are most desirable.

A mass of *Primula Obconica* in mauve, pink and lilac, bordered by *Begonia Gloire de Lorraine*, was a great success at a Paris show.

WISCONSIN STATE HORTICULTURAL SOCIETY.

The program for the meeting of the society arranged for August 26, was as follows:

FORENOON SESSION, WEDNESDAY, AUGUST 26TH, 1908

OPERA HALL, 9:30 A. M.

Invocation, Rev. Sam. Groenfeldt; Welcome to Sturgeon Bay, Mr. Henry Graas.

Topic: Annual and Biennial Flowering Plants; Their Value in Gardening and Home Decoration. Discussion: Three favorites, Asters, Sweet Peas and Pansies; Classification and Culture—Robert Sampson, Delegate Lake Geneva Society. Discussion: Old time favorites such as Balsams, Hollyhock, Snapdragon, Verbenas and others; best varieties and best methods of culture—Wm. Toole, Baraboo. Discussion: Campanulas, Foxgloves and other biennials; Classification and Culture—Henry Illenberger, Delegate Lake Geneva Society. Discussion: Sowing the Seeds of Annuals; illustrated—Albert Meier, Madison.

AFTERNOON SESSION, 2:00 P. M.

Topic: Orchard Management. Rational Orchard Management; illustrated—Professor E. P. Sandsten, University of Wisconsin. Does Spraying Pay?—J. G. Buehler, Twin Bluffs, Wis.; Something About Cover Crops;—Assistant Professor J. G. Moore, Horticultural Department, University of Wisconsin; Best Varieties of Apples for Commercial Orchards—One-half hour in three minute talks by members selected by presiding officer; Bedding Plants; their use and abuse—W. G. McLean, Foreman, City Parks, Madison.

EVENING SESSION, 7:30 P. M.

Horticulture in Texas and Wisconsin—A. L. Hatch, Sturgeon Bay; Parks and Gardens at Home and Abroad; illustrated—Professor J. C. Elsom, University of Wisconsin.

(The evening program was interspersed with music and recitations).

THE COLORADO BLUE SPRUCE.

Many of the Californian and other western conifers are of very doubtful hardiness or have been proved tender in all but the most favored localities, but in the Colorado blue spruce, *Abies (picea) pungens*, we have a very ornamental tree that succeeds almost anywhere, being native to the mountainous districts in Colorado. The graceful habit of the tree makes it highly desirable for the garden and a good form of it has a glaucous blue tint that is very attractive, especially now that the pale green of the young growing shoots contrasts finely with the older, more somber tint of the rest of the branches. We do not recommend over planting of conifers, but a few judiciously placed are very ornamental and a distinctly good addition to any garden, even where there is no pinetum proper or any attempt at making a collection.—*In Gardening*.

To run a business without advertising it, is just as sensible as keeping a lamp without lighting it.

When a business cannot be improved by advertising there can be little business left to improve on.

The National Nurseryman

Published monthly by
THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
218 Livingston Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, . . . C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca, N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., SEPTEMBER, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Forestry—J. W. Hill, Des Moines, Ia.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.
Program—Jas. M. Pitkin, Newark, N. Y.
Publicity—I. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—Geo. C. Seager, Rochester, N. Y.
Entertainment—Wm. Pitkin, Rochester, N. Y.
National Council of Horticulture—Chas. J. Maloy.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

THE FOLIAGE CHARACTERISTICS OF PLANTS.

There are two seasons of the year when the colors and tints of foliage typical of different varieties of plants stand out clearly and with peculiar distinctness.

These seasons are early spring when the leaves are unfolding, and the autumn, when nature is preparing the deciduous tree to drop its leaves. In the infant stage, the delicate tints characteristic of the different varieties are clearly separable. Towards midsummer these tints tend to merge into each other in the sombre greens of the dog days. But again on the approach of the poet's "melancholy days," we have the re-appearance of sharp differences in shades between the different varieties, each being peculiarly characteristic. This, then, is a good time of the year for the nurseryman to examine his blocks of fruits with care, with a view of detecting "rogues," and separating these from the others. The eye of the nurseryman becomes trained to catch these small differences which pass unnoticed for the casual observer. The careful examination of stock in early autumn before the digging season begins is a practice in vogue by many nurserymen, and one which could be instituted by most with excellent results.

FUNGI CELLARS.

If the storage cellar has not been thoroughly cleaned and sterilized it should be done now before the admission of fresh nursery stock. The successful exclusion of fungi is one of the problems associated with cellar storage. All fungi and low forms of parasitic life are restricted by good sanitary measures. The walls of the cellar should be cleaned and swept as well as the floors, and a good plan is to follow this by an application of a 2% solution of kerosene sublimate, or a 5% solution of copper sulphate, sprinkled over the walls by means of a force pump. Lime is not an active sterilizing agent, but is unquestionably a preventive of fungous growth, and it may be employed where there are special reasons against the use of the active poisons just mentioned. It is much better to use the corrosive sublimate or blue stone solution before the stock is brought in than to be obliged to use it afterwards; for there is always some danger of injuring imperfectly ripened wood by application of these strong solutions. In the case of the graft storage cellar where the graft-box fungus made its appearance last year all the boxes should be sterilized by using the corrosive sublimate or copper sulphate wash, or by whitewashing thoroughly. Soil which may be infested with the germs of this disease should be taken out and replaced with fresh clean sand. As a rule the graft-box fungus flourishes more freely where soil rich in humus and decaying matter is used.

FORESTRY AS A BUSINESS.

Gifford Pinchot, Chief Forester for the United States has written an entertaining and valuable article in the June number of the *Circle Magazine* on "The Business of Being a Forester." He emphasizes the fact that forestry is "a new occupation for men who are willing to work hard." In another place he speaks of forestry as the "newest profession in the United States."

THE CHATTANOOGA CONVENTION.

The seventh annual convention of the National Nut Growers' Association will be held in Chattanooga, October 27-28-29, 1908. This gathering promises to be of particular importance to the industry. All members are urged to attend. All interested in nut culture are cordially invited. Those looking toward this fascinating work from purely commercial considerations will learn much by attendance at the sessions, which are open to all.

The time has been carefully chosen and, while it is not possible to select dates suiting all interests, holding the meeting late in October makes it possible to have a large and varied exhibit of nuts selected from this season's crop. This feature of the convention is to have particular attention and will doubtless prove of surpassing interest to the large numbers from the central and western states, who will for the first time be in attendance.

The official program is being carefully arranged and will embrace subjects of vital importance, while the speakers will represent the greatest skill and ripest experience which the country affords.

Many important business matters will come up from the various special and standing committees for consideration and action. New plans for perpetuating and extending the work will be discussed.

Another feature of the program will be the reports from state vice-presidents and from auxiliary organizations, showing progress and achievements in the various sections of country.

The place of meeting has attractions and historic associations which will warrant the allotment of considerable time for sightseeing excursions and social gatherings.

A WORD ABOUT SWISS ROADS.

If it is true that the Swiss and Italians can give us pointers on intensive cultivation, it is emphatically so in regard to road and bridge building. The way the roads wind around the hills on easy grades, the skill shown in construction, the permanent character of the work and withal the artistic features of the bridges, culverts and retaining walls give the Westerner—the man who lives in a hurry—a proper idea of how work destined to endure the wear and tear of time should be performed.

The roadbeds are much narrower than ours, to be sure, but they are finished from curb to curb. Not only are they finished but they are maintained. During the month of April, when snow and frost were leaving, the roads about Lake Geneva, were in most cases, pleasant for walking and driving. I am led to remark that many of the state roads in the East and West of the United States will be in a poor condition in a few years if not properly maintained from funds set aside for that purpose.

One of the famous highways in Italy runs from Genoa to Cannes, France, a distance of 150 miles along the Mediterranean. It is called the Cornice road because in many places it is hewn out of the bold jutting rock promontories of the Riviera. The road is kept in excellent repair and is one of the most picturesque in Europe—a great favorite with touring parties.

JOHN CRAIG.

ORCHARDS PUT UNDER IRRIGATION.

Four thousand acres of land near Hooper, Whitman County, Wash., south of Spokane, to be known as Palouse Orchards, owned by the Palouse Irrigation & Power Company, headed by H. C. Peters, president, and L. H. Marsh, secretary, will be put under irrigation within the next twelve months, and it is expected that 500 acres of this will be ready for this year's crop.

Water for the new district will be taken from the Palouse River, which will be tapped by a canal four miles above Hooper, and brought down one mile below the town, whence a wooden flume, 24 by 30 inches, will carry the water one mile further down the river to the tract of 500 acres that is to be watered at once. Later a large flume will tap the canal at the same place as the small one and will be led across to the north bank of the river to carry water down to the other tracts that are to be put under the ditch.

Palouse Orchards are unlike any other irrigation project in the Northwest. Instead of one large and continuous tract on one or both sides of the river it is a series of tracts lying between the river and the high hills on either side, no one tract containing more than 500 acres. The land extends down the river ten miles, and is close to the base of steep hills and almost surrounded in patches by the ragged arms of the cliffs that jut out into the valley. The land is volcanic ash and the climate is similar to that of Wenatchee, the home of the big red apple.

MOVEMENT TO ADVANCE RATES PROGRESSES SLOWLY.

Late Chicago advices say: The movement inaugurated some time ago to increase freight rates 10 per cent in western territory is not progressing very rapidly. The lines in Western classification practically have abandoned trying to bring about a general advance in rates, while the transcontinental lines practically have agreed upon a much smaller increase than was at first contemplated.

It is likely that all transcontinental rates, both class and commodity, will be advanced 5 cents per 100 pounds in earloads and 10 cents per 100 pounds on less than earloads, from New York, Chicago and the Missouri river to the Pacific Coast. The first-class rate is 75 cents per 100 pounds, and it is held that all transcontinental rates are exceedingly low.

It was found impracticable to make a greater increase, for several reasons, one of which is water competition from New York to San Francisco, which operates to keep rates down. The revenue, which the increases now talked of will produce, will, it is said, not be very great.—*California Fruit Grower*.

A GOOD CUSTOM.

Every year about the first of July the Peterson Nursery, Chicago, sends out a man in an automobile to inspect all the planting done by their customers during the spring season. The inspector makes a record of the facts in every case and, where conditions are not right, not only calls attention personally to the care that is needed but later writes a letter to the customer explaining what is necessary to make the stock thrive. In this way many complaints from neglectful people are forestalled and new business secured. This is a custom that nurserymen may well consider. It would be an easy matter for some of the wholesale nurseries to keep track of the orchards planted with their stock.

PARCELS POST LIMIT RAISED.

In order to increase our commercial relations with Great Britain and Ireland by facilitating the sending of parcels post packages of merchandise to those countries, Postmaster General Meyer has increased the weight limit to eleven pounds, effective July 1, 1908. This means that eleven pounds may be sent to the United Kingdom.

Advertise vigorously and continuously so your name will ever be before the nurserymen, lest they should forget you.

SHRUBS FOR AUTUMN EFFECTS.

In planting shrubs, one must keep the entire routine of seasons in mind. Occasionally in setting out ornamental shrubs, the flowering period is the only one that appeals to the planter. Yet unless the flowering success is secured, bare spots result during the summer and autumn. With the passing of the Hydrangea the floral procession practically ceases and we have November and December to reckon with.

Among the shrubs that do much to brighten the landscape and add cheer to home surroundings, are the various members of the Cornus (Dogwood) group. The bright shades of the bark-coloring of these shrubs, make them very attractive features of landscape in winter. Probably the best, at any rate the most striking of the collection, is *Cornus Alba Sibirica*. There are others with lighter colored barks as *C. stolonifera*, for instance, that can be used with good effect in contrasts and a variety of this latter *Baileyi* is also desirable.

Among the shrubby vines bearing very attractive fruit we should not forget our native Bittersweet, *Celastrus*. There are two species of this; one the native and the other an imported Japanese form. Both are attractive in fruit although they are not striking when in blossom. The fruit, with its surrounding cases which expand in the autumn, give a blossom-like effect, warming up whatever it may be placed against. One may grow this *Celastrus* as a shrub by cutting it back frequently and in this form it is often very attractive.

Somewhat related and similar to the *Celastrus* in character of fruit, are the various types of *Euonymus*. They are not striking during the fore-part of the season but in autumn when other plants lose their leaves and take on winter conditions, the spindle trees are then laden with clusters of scarlet and red fruit. Then there is one *E. atropurpureus*, which has highly colored foliage as well, giving it additional value as an autumn ornamental.

Among the *Ilexes*, there is one which is hardy in the North and has a wide range of distribution, that makes a very attractive shrub in the autumn when it is covered with its bright scarlet berry-like fruit. This is the Black Alder, *Ilex verticillata*.

Among the *Cotoneasters*, there are several red fruit forms of especial value for autumn embellishment. We should mention *C. tomentosa* and *C. vulgaris*.

Nor should we forget the Hawthorn, *Crataegus*. Not long ago, the writer in travelling along a tributary of the St. Lawrence on the south side of the great river was struck by the abundance and beauty of the Scarlet Thorn which seemed perfectly at home in this clay and sandy loam region. The fruit in some cases was very large and is, we learned, used by the inhabitants in various domestic ways. The Hawthorns on account of their slow growth are not propagated nearly as much as they ought to be.

DWARF APPLES.

There is some discussion regarding the merits of the Paradise as a stock for the apple. Several English growers testify that it makes short-lived trees unless planted deep enough so that roots are emitted from the scion, while others claim that when this takes place the dwarf habit of

the tree is lost. The observant growers in England have noted for many years the fact that if the Paradise stock is exposed to the influence of the sun and atmosphere, the bark is likely to harden and become indurated to such an extent that overgrowth of scion occurs, and the tree becomes top heavy. This is obviated by deeper planting, which may, however, encourage the own-rooting habit. On the other hand, there are those who claim that this is an advantage; that it increases longevity and does not impair fruitfulness.

THE STATES AND FOREST CONSERVATION.

In an able editorial the *American Agriculturist* gives a side of the forestry question that one seldom sees in the press (June 13, 1908). It states that much can be done to promote forestry by insurance against unjust taxation and fire. "An effort in this direction is embodied in the new forest laws of California, Maryland and Alabama. Natural conditions and the ability and willingness to undertake the expense of fire protection differ so widely in the several states that any uniformity in state legislation has thus far seemed impossible.

Several states have adopted bounty and tax exemption laws to abolish forestry, but none of them to date have been particularly successful. This is partly due to lack of widespread interest in the subject, and partly to legal and practical difficulties encountered in framing such legislation.

The forest service at Washington is ready to co-operate with any state along these lines. It advises the preliminary study of local forest conditions to ascertain the facts. Then the formation of a non-political state board of forestry, appointment of an expert state forester and providing for a forest fire-warden service, civil and criminal liability for causing fires, the creation and management of state forests and reasonable appropriations. Where necessary provision should be made for a closing season against burning grass land, brush, fallows, etc., and the regulation of the use of railroad and other engines in and near timber land.

It has also been decided that a state has the right to restrict the cutting of timber on private lands in the interests of forestry, the preservation of water power and rainfall, and the general utilities of public interest. All the judges of the Maine supreme court, with a single exception, upheld this policy, in their reply to the Maine senate of 1907."

FOREST TREES FOR SANDY REGION OF NEBRASKA.

The Forest Service Bureau of the United States Department of Agriculture recommends western yellow pine and Jack pine as the most promising species of pine trees for the sandy region of Nebraska. A large number of seedlings of these trees were set out in 1905 and recent reports received show a very encouraging condition. The Bureau recommends planting on northern slopes as giving the best results. The best time to plant is from April 20 to May 10. They recommend setting the trees at 4x4 feet apart. The plantation is not cultivated but is carefully guarded against prairie fires. It costs \$1.80 to plant an acre 6x6 feet apart. The trees sell from \$8 to \$15 per thousand and can be obtained from western nurserymen.

Correspondence.

The election of W. P. Stark as President of the Missouri State Board of Horticulture has been a source of pleasure to all who are acquainted with that nurseryman and his work. We are taking the liberty of quoting sections of a letter of congratulation to Mr. Stark from his friend, Mr. Frank Femmons, Ahwahnee, Cal.

"Here in my desk is a partly written letter to our friend, M. J. Crow, in answer to one from him of June 6th, informing me that you had been elected President of the Board of Horticulture, and also requesting some observations upon blooming time of Delicious and King David.

"I hardly need tell you that I was greatly pleased to learn that you had been elected President of your State Board of Horticulture. Here's a hand from your old California friend across the long miles between. I felt like throwing my hat clear over the house when I learned of that. It begins to look like a new start in life for the better development of Missouri fruit interests. The great influence and far-sighted judgment of the father, William Stark, is again bearing fruit on the Banks of the old Mississippi. May it ever bloom the brighter with the years, now that the clouds have passed by!

"Of course, many will say that the new President will use his position to extend his personal interests. That's only natural, or a too frequent manifestation of some kinds of human nature that always seems ready to bob up and get in the way of every effort toward public advancement. It can have no real weight where a higher influence is at work for the true interests of all.

"Success to you, the Society and all true lovers of Missouri Fruit Growers and their highest interests. Both you and they have my hearty hope and best wishes.

"I sometimes wish that I had saved more definite data at the time I was watching with some care the blooming times of apples, as observed here. It is an interesting subject and I am still giving it more or less attention, but the lesson I learned was that while early or late blooming in a variety had its value in a general way—the later blooming escapes frosts that injured the earlier—yet I found that the observations and conclusions from the facts of one year were but poor guides for the next, or others. Their relative time of blooming is not constant, and is often greatly influenced by local or general climatic changes and soil conditions. Some seasons nearly all varieties will bloom at nearly the same time, or so near it the orchard presents the appearance of a mass of bloom. Some varieties that have a tendency to early blooming will be a day or two earlier and the later ones a little later, but the real difference in time has but little practical value. Other years, and perhaps in other locations, their relative times may extend over a longer period.

"My observations have convinced me that for the past few years this fact of early and late blooming of varieties has been given an importance out of all proportion with its true value, and many people seem to think it the key to the entire situation in orchard production, and almost the first question asked of some variety, "does it bloom late?" From many years' observation along this line I am confident that the vigor and hardiness of bloom in any one variety is a constant factor and of far more importance in any apple growing section than its relative time of bloom. Some varieties will resist, or are immune from, injury with five or six degrees more of frost than others. With us the W. W. Pearmain is one of our earliest to bloom and yet we have no variety that we can better depend upon for an annual crop. Maiden Blush is another among the old apples that Spring frosts seldom injure and yet it is among the earliest to show bloom.

"Of the newer varieties Delicious, King David, Paragon, Stayman's Winesap, and the Magoon have a fine vigorous frost resisting bloom. They had all escaped when many others were injured or entirely killed. I had thought them about equally immune but this year, one of the severest I have ever known, Delicious has proven its superiority; a fair crop is on all the trees with temperature 26 degrees at blooming time; King David, Stayman and Magoon a few, and Paragon the first failure in more than a dozen years. I'm not sure that there is a Ben Davis of any kind (except Shackelford), or a York Imperial, in the orchard.

"I know that all apple growing regions are liable to severe frosts or freezes both early and late, at times that kill or greatly injure all bloom and the crop is a failure. Later blooming varieties like the Jeniton family and some others may, and sometimes do, escape. Such years are the exceptions and are not the general rule. Our Spring frosts are usually within but a few degrees of freezing, and the fact that some of our apples, and other fruits also, have a potential vigor or hardiness of bloom to resist the effects of three, five or six degrees of frost is of far more importance than is the relative time of blooming.

"I wish the facts along this line could be gathered up from over the entire country. I am confident they would prove of great value.

"AFTERTHOUGHT: In looking over the foregoing, I see that it does not in a direct way answer the questions asked. Both Delicious and King David are what may be called medium late bloomers—usually, a little later than any of the Ben Davis family, and before the Jenitons, which are our latest."

In somewhat similar strain is the letter of Mr. Parker Earle of the Parker Earle Fruit Company, Roswell, N. Y.

"I congratulate you, and also the horticulture interests of Missouri, upon your election to the presidency of the State Board of Horticulture. The fact had escaped my attention until a few days ago. There must have been some changes working in the old state in recent years. Well, I always did like to see the best men come to the front.

"I am very sorry to learn of the death of Mr. Alexander Crow. I learned a good deal about his death in California. He was one of the most useful men who ever worked in California Horticulture.

"Mr. Femmon's suggestions about the time of apple blooming making less difference than the hardiness of the blossoms of the variety is probably true of apples. But with pears, plums, apricots, cherries, etc., the principle won't work. For instance, the Kieffer pear will bloom two weeks earlier every year (in New Mexico at least), than Bartlett, and will surely get killed when Bartlett makes a crop more than half the time. The Tragedy prune would be very valuable here but for the fact that it blooms three weeks ahead of German and Hungarian and Giant and always get killed, a few specimens only now and then escaping, and the whole Japan family is absolutely worthless here because it is always about three weeks too early.

"The people of California never seem to regard the season by bloom in any of the fruits. It is especially unfortunate that the Burbank has never produced anything—so far as I recollect—that blooms late enough to escape the fragrant frosts of this high altitude intercontinental country. As things stand we must always remember that early blooming trees won't do at all for a very large district which escapes most of the orchard pests which lower altitudes are subject to."

Even the best goods need a salesman, and there is no salesman like a good advertisement.

WESTERN SETTLERS FACING TROUBLE.

In the West they are very much stirred up over the proposition to take from the unreserved, unappropriated public domain reserved for settlers a vast area of 300,000,000 acres and place it in the forest service and lease it out for fencing and grazing for the big cattle barons and others whose interests are being crowded by encroachments of the homesteaders.

This would shut out settlers from a pretty big strip of country—well, equivalent to an area 200 miles wide and over 2,000 miles long. This land is not included in the lands concerned in the regulation of streams or conservation of timber supply. This vast area has never been included in the forest reserves; it is part of the public domain awaiting settlement.

The agricultural lands of the public domain belong not to the people of the West alone; they belong to the citizens of every State in the Union. Anybody may go out there, take up a homestead of 160 acres, and make a home in the manner the law specifies.

The act of June 4, 1897, which set aside timbered areas and mountain watersheds for forest reserves, specifically and distinctly forbade the including of lands good only for other purposes. The idea was that the interest of the settlers should have first consideration. Land unavailable for timber protection or reforestation or for conserving the flow of streams was to be kept open for farms and homes and communities.

Under the proposed "leasing policy" any big cattle magnate may lease and fence up for ten years as much as 10,000 acres; his friend may lease next door to him 10,000 more, and another friend the next, and so on.

It is not likely that any settler would care to undertake the responsibility of taking a family upon a homestead within such inclosure; his life would be a sultry one at best.

But the settler is not likely to have this opportunity, for if the leasehold has had one penny over \$100 spent on it by the cattle owner (which amount is easily covered by the fence), the lessee has a right to debar the settler from entering.

This movement is, in effect, a plan to "corner" the forage of and withdraw from settlement a domain larger than the combined areas of Ohio, Indiana, Illinois, Pennsylvania, New York, all of the New England States, and nearly all of the Southern States.—*St. Louis Globe-Democrat*.

GRAFTING COMPETITION.

A nursery firm at Nice, France, recently organized a grafting competition for workmen in that district. Each competitor was allotted so many rows of stocks and bundles of scions to correspond, the prizes going to the operator who put on the largest number of grafts successfully in a given time. Sufficient interval was allowed between the competition and the awarding of prizes to enable the judges to see which grafts were alive no allowance being made for the unsuccessful ones.—*Florists' Review*.

STARTLING DISCOVERY.

A farmer in Ohio has made a discovery that will be a great help to farmers during a dry season. He has found that when onions and potatoes are planted in the same field in alternate rows the onions, being so strong, bring tears to the eyes of the potatoes in such volumes that the roots of the vines are kept moist and a big crop is raised in spite of the drought. Nurserymen might use the same arrangement by planting nursery stock between the onions and the potatoes.

NEW USE FOR YUCCA PLANTS.

The Japanese government has been importing large numbers of yucca plants from Chili. The tops of the plants are commonly said to contain an abundance of picric acid, which the Japs use in the manufacture of shimose powder, the deadly explosive employed with terrible effect in the war with Russia.

Advertising is the keystone in the arch of business success.

REASONS FOR TREE PLANTING.

In a neat concise pamphlet on this subject by the tree planting committee of the St. Louis Improvement Society, the following reasons are given why trees should be planted:

1. They increase the value of surrounding property.
2. They protect the pavement from the heat of the sun.
3. They add beauty and comfort to the city streets.
4. They cool the air in summer and radiate warmth in winter.
6. They purify the air—the leaves inhale carbonic acid gas and exhale oxygen.
7. They aid in counteracting the unnatural conditions of city life.

The following kinds of trees are recommended:

1. Maple, Silver Leaved or Soft.
2. Maple, Sugar or Hard.
3. Sycamore, or Plane.
4. Elm, American.
5. Birch, White.
6. Poplar, Carolina.
7. Poplar, Lombardy.
8. European Cottonwood.
9. Pin Oak.

The committee advises the following distances for planting these trees:

1. Silver or soft maple—25 to 30 feet apart.
2. Sugar or hard maple (alternated with poplars) 15 to 18 feet apart.
3. Sycamore—25 to 30 feet apart.
4. American elm (alternated with poplars)—15 to 18 feet apart.
5. White birch—16 to 20 feet apart.
6. Carolina poplar—18 to 20 feet apart.
7. European Cottonwood—18 to 20 feet apart.
8. Lombardy poplar—16 to 18 feet apart.
9. Pin Oak (alternated with poplar)—15 to 18 feet apart.

Upon the subject of forest preservation generally President Roosevelt said:

"Shall we continue the waste and destruction of our national resources or shall we conserve them? There is no other question of equal gravity before the nation."

ALASKA-YUKON-PACIFIC EXPOSITION.

The Alaska-Yukon-Pacific Exposition will be held at Seattle, Wash., from June 1 to October 15, 1909. An invitation has been extended to the American Association of Nurserymen to hold its 1909 convention at the exposition.

You may be assured that you will find something worth reading on each and every page of the NATIONAL NURSERYMAN.

The mint is the only house that makes money without advertising.

The first thing for you to do if you have not already done it, is to fall in love with your work.

THE CANADIAN HORTICULTURAL ASSOCIATION.

The official Program of the Eleventh Annual Convention held at Niagara Falls, Ont., August 19, 20 and 21, 1908, in the Clifton Hotel was as follows:

FIRST DAY

WEDNESDAY, AUGUST 19.—OPENING SESSION 2.30 P. M.

The Society of American Florists' and Ornamental Horticulturists paid the Convention a fraternal visit during the session.

Address of Welcome, The Mayor of Niagara Falls, Ont.

Address of Welcome, Superintendent of Queen Victoria Park.

Response by the President and welcome to the S. A. F. O. H., Mr. John Walsh, Montreal.

Response by the President of the S. A. F. O. H., Mr. F. H. Traendly, New York.

Reports of Secretary, Treasurer, standing committees and special committees.

Discussion of President's address. Question Box.

SECOND SESSION.

The Canadian Horticultural Association paid a fraternal visit to the Convention of the Society of American Florists.

WEDNESDAY, AUGUST 19, 7. P. M.

Cataract House, Niagara Falls, N. Y.

Illustrated lecture by Mr. J. Horace McFarland, "How Florists May Aid in the Crusade Against Ugliness."

SECOND DAY.

THIRD SESSION, THURSDAY, AUGUST 20, 10 A. M.

"Forcing Tomatoes," Professor W. S. Blair, Macdonald College, Ste. Anne de Bellevue, Que.

"General Care of Private Greenhouses" Mr. William Wilshire, head gardener to R. B. Angus, Esq., Montreal.

"Nomenclature" Mr. John Cavers, Oakville, Ont.

Choice of place for next meeting. Question Box.

Thursday afternoon the delegates were shown the beauties of Queen Victoria Park by Mr. Alex. Coburn, the head gardener, and saw the sights.

FOURTH SESSION, THURSDAY, AUGUST 20, 7. P. M.

A discussion between Retailer and Grower, led by Mr. G. Gerrahty of "Dunlop's," Toronto, Ont., was replied to by Mr. W. J. Lawrence, Eglinton, Ont.

"Grapes Under Glass," Mr. Thos. Pewtress, Pointe Claire, Que.

Unfinished Business.

Election of Officers.

THIRD DAY.

FRIDAY, AUGUST 21.

The Buffalo Florists' Club generously invited all C. H. A. delegates to participate in the entertainment given to the S. A. F., including trip to Buffalo, games, etc.

CANADIAN HORTICULTURAL ASSOCIATION OFFICERS 1908.
 President... John Walsh, Montreal
 First Vice-President... E. Dale, Brampton
 Second Vice-President... E. Annandale, Toronto
 Secretary... A. H. Ewing, Woodstock
 Treasurer... H. Simmers, Toronto

NATIONAL COUNCIL OF HORTICULTURE.

The letter from which we quote will be of interest to nurserymen who watch the progress of the National Council of Horticulture. The letter is from F. W. Taylor of the Denver Reservoir Company to H. C. Irish, Missouri Botanical Garden, St. Louis, Mo.:

"I have been much pleased to note the progress being made by the National Council of Horticulture and particularly that it has maintained the position which it assumed at the start, of separating itself entirely from any organizations which deal purely with commercial questions.

"I was extremely pleased that the National Council of Horticulture was organized at the St. Louis Exposition and I have been watching its movements with a good deal of interest to see if it could maintain its original high aims. I feel that it is doing so and I trust that in the future it will interest itself particularly in looking after these questions of a general nature which can scarcely be treated properly by any other single organization.

"If, in organizing the Department of Horticulture at the St. Louis Universal Exposition, I had been able to receive advice, suggestions and support of such an organization, many phases of my work might have been much easier and I have no doubt that in certain respects better results could have been secured.

"I wish to particularly suggest that whenever it is learned that plans for large expositions are under way, the National Council of Horticulture should place itself in communication with the officers of such organizations and do everything in its power to see that Horticulture in all its phases is properly arranged for. This means in the construction and arrangement of buildings, in the making up of the lists of awards and in many other ways a more or less uniform method should be followed. No organization should be so well equipped to supply all such information as this, as the National Council of Horticulture.

"If at any time there is any way in which I can render any service in any branch of the work in which it is believed that I can be helpful, I shall be extremely glad to have you call upon me."

FUNGICIDES, INSECTICIDES AND SPRAYING.

The Massachusetts Agricultural Experiment Station has recently issued Bulletin No. 123, Fungicides, Insecticides and Spraying Directions, giving formulas for the preparation of fungicides and insecticides with directions for preventing and controlling fungous diseases and insects. The bulletin discusses not only the common crops of the field and garden, but shade trees as well. It includes also a brief article on the methods to be adopted for the destruction of weeds in mowings, cultivated fields, tennis courts and walks. It is sent free to applicants, who address Massachusetts Agricultural Experiment Station, Amherst, Mass.

QUESTION BOX.

The following questions have been submitted by the Tyler Bros. Nursery Company. They will appreciate learning the results of their brother nurserymen's experience:

1. Can Paradise stock be grown successfully from cuttings?
2. We have a quantity of pear that missed fire in budding; can we graft them in the winter with success? Can Kieffer be grown from cuttings under irrigation conditions?
3. Would it be profitable to graft Manetti stock in the winter?

Obituary.

WARREN W. RAWSON.

Warren W. Rawson, the prominent seedsman and market gardener, died at his home on Medford St., Arlington, on Sunday afternoon, Aug. 9, from an operation for appendicitis. His illness, which lasted for only so short a time, and his death, were a great shock to his many friends. Mr. Rawson was born in Arlington, January 23, 1847, and was one of the most prominent business men in eastern Massachusetts.

Mr. Rawson, after graduating from the grammar school and academy, commenced business with his father in 1867. Some five years later he bought out his father's business and started for himself. He soon built up the leading market gardening business in the country.

In 1880 he erected his first greenhouses and commenced the growing of vegetables under glass. Later he added to his greenhouse establishment and was the first to use steam to any degree as a method of heating. He was also the first to use electricity to develop his vegetable crops. In 1884 Mr. Rawson bought out the seed firm of Everett & Gleason, and his firm, W. W. Rawson & Co., has been well known ever since.

Mr. Rawson was twice married. His second wife, who survives him, was Sarah Elizabeth Mair. There are also a son and daughter, the son Herbert W. having been in the seed business with his father for a number of years.

The funeral was held Wednesday afternoon at the Unitarian church, Arlington, of which Mr. Rawson was a member, and was largely attended by his many friends social, political and fraternal.

ALEXANDER CROW.

Alexander Crow, one of the most influential men in Californian horticulture died at Ahwahnee, California, on the morning of the twenty-eighth of June. He had just returned from Honolulu and it was hoped that the climate and the quiet of the sunny hills of California would bring back health to the body worn with over-work and worry. But the efforts and loving attention of his family and friends were unavailing; he sank to rest which meant to him peace after a long life of hard and useful labor.

The funeral was held in Los Angeles on the first of July. The friends of the noble, kind-hearted man followed the body to the cemetery. A life of great helpfulness, unceasing kindness and inspiration has gone from California.

Mr. Crow was for many years a public officer of California. For several years he was State Horticultural Commissioner and also State Entomologist. In the latter profession, he was probably unsurpassed. He was very highly thought of by all who really knew him; a man not afraid to say "I don't know;" fair, unbiased and absolutely incorruptible. In his death horticulture in general has lost one of its best men.

JOHN W. C. GREENING.

John W. C. Greening, founder of the Greening Nursery Co., Monroe, Mich., died July 20. He was born June 25,

1829, at Siebach, Prussia. When a youth he entered the service of Baron Von Belespach, the most prominent nurseryman in Germany. In 1850 he came to America. He was married in 1853 to Miss Maria Schultz, who had come a year before from Bavaria. In 1863 Mr. Greening started a small nursery containing an acre and a half. In 1867, he purchased 16 acres of land at \$100 per acre. A heavy loss by fire in 1868 set him back severely, but he persevered and, in 1876, owned 200 acres, all of which was in nursery stock.

His final illness began six months ago. Mr. and Mrs. Greening, on December 26, 1903, celebrated their golden wedding anniversary. Mr. Greening is survived by his widow and five children.

JOHN A. MCGANN.

Mr. John A. McGann died, July 22, at the home of his son F. S. McGann, Birmingham, Ala. For the past sixteen years he had been connected with the Lischey nursery and greenhouses of Nashville, Tenn. He was 58 years of age and a native of Williamson county, Tenn. He is survived by two sons, F. S. McGann of Birmingham, Ala., and James McGann a member of the U. S. army, now in Cuba. Funeral and burial took place in Birmingham.

THE NATIONAL APPLE SHOW.

The National Apple Show will be held in Spokane, Wash., on December 7-12, 1908. Over twenty-five thousand dollars has been subscribed to date in CASH, orchard lands, implements, cups and articles of value for premiums at the NATIONAL APPLE SHOW, to be held at Spokane, Washington, December 7th to 12th, inclusive. Special cash Prizes up to and including one of fifteen hundred dollars will be offered. Handsome premiums of large value will also be given to winners in collective and individual displays. All sections growing Standard Commercial varieties of Winter Apples will exhibit at this great show.

THE CORN BELT NURSERY AND FORESTRY ASSOCIATION.

The Corn Belt Nursery & Forestry Association of Bloomington, Ill., have just closed a deal for the Geo. J. Foster packing grounds, cellars, office building, etc., and take immediate possession. This gives them a large packing capacity and will enable them to handle their business to a great advantage as it is adjacent to the railroads. They expect to erect some additional packing houses immediately.

RELIABLE FIRMS.

The *Rural New Yorker* is advising its readers to deal with reputable established nursery firms and have nothing to do with the "contracting" firms who are at the old game of selling trees and promising big prices for the first year's crops.

TYLER BROTHERS NURSERY COMPANY.

Tyler Brothers Nursery Company, Kimberly, Idaho, report that the intensely hot, dry weather in that state seems to have made nursery stock grow well. This is making up in some degree for the extraordinarily unfavorable spring.

P. J. BERCKMANS.

P. J. Berckmans has an article on "Trees that Are Loved for Their Flowers" in the July and August number of the *Garden Magazine*. These are the fourth and fifth of a series of articles written for the same magazine by the Dean of American Pomology and of Southern Floriculture. A fine literary style distinguishes his writing and an abundance of information that is valuable marks the subject matter. The illustrations are excellent.

P. HAMILTON GOODSSELL.

After having been identified for more than ten years with Fred'k W. Kelsey, and lately secretary of the American Nursery Co., P. Hamilton Goodsell has now started for himself in the same line of business at 200 Broadway, New York City. He will be glad to receive from you at your earliest convenience, special quotations on any first class stock you have to offer as well as copy of your current trade list.

ABILENE NURSERIES.

W. T. Gough, one of the proprietors of the Abilene Nurseries of Abilene, Kansas, reports that he has had very serious sickness in his home this spring. The sick members are now recovering and will soon be in good health. Mr. Gough adds, "Send on the *NURSERYMAN*, it is a welcome visitor."

SAIL FOR EUROPE.

On August 13th., Mr. Orlando Harrison of the firm of J. G. Harrison & Sons, Berlin, Maryland, and Mr. Knickman of the firm of McHutchinson & Company sailed for Europe on a business trip. They will visit the principal nurseries of England, Holland, Belgium, Germany, France and Switzerland.

VISITED WESTERN NEW YORK.

Mr. William Ilgenfritz visited the nurserymen of Rochester, Geneva and Dansville the first weeks of August. The New Yorkers were glad to see Mr. Ilgenfritz.

The California Nursery Co. formerly of Sacramento, Calif., have removed their offices back to San Francisco, 460 Montgomery St.

R. R. Harris, Harrisville, W. Va., reports, the "business has been very good, and sales on peach are heaviest I ever had."

J. R. Chaney of Arlington, Md., called at the office of the *NATIONAL NURSERYMAN*—also on John Charlton & Sons.

Your journal is a valuable trade paper. I am well pleased with it.

A. F. BERNARD.

ANNOUNCEMENT.

I herewith beg to inform you that the partnership under the name of Labelliflos Nurseries, has ceased to exist from to-day, owing to the retirement from business of Mr. P. J. Ingenhoves Van Schaik.

The business will be carried on under the same name and on the same footing by me alone and for my own account.

I beg you to take good note of this communication and trust that the Labelliflos Nurseries will be favored by your confidence as before.

I have the honor to be

Yours faithfully,

LABELLIFLOS NURSERIES
A. H. Ingenhoves Van Schaik.

CATALOGUES RECEIVED.

Morris Nur. Co. Inc., Westchester, Penna. Wholesale price list for 1908.

63rd year Surplus and Trade List for fall, 1908 from Arthur Bryant & Son, Princeton, Ills.

Handy hand book of greenhouse material from Lord & Burnham Co., New York—Boston—Philadelphia.

1908-1909. Wholesale catalogue from Glen St. Mary Nurseries Company. Glen St. Mary, Fla.

Select Peonies, Phloxes, Irises for fall planting offered by Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.

Wholesale trade price list for fall 1908 and spring of 1909—from Valdesian Nurseries, Bostic, N. C.

Handy hand book of Greenhouse Material from Lord & Burnham Co., New York, which lists every part of a greenhouse but the glass.

Wholesale price list of Guiseppe Soda, Milana, Italy, Jackson & Perkins Co., Newark, N. Y. sole American agents.

M. Herb, Naples, Italy. General catalogue of Bulbs and Flowers.

Wholesale Catalogue of Nursery Stock for Fall 1908, and Spring 1909 from W. Van Kleef & Sons, The Nurs. Boskoop, Holland.

An attractive little booklet "The Turn in the Road" "The Whyness of the Wherefore" from the Dust Spray Mfg. Co., Kansas City, Mo.

Trade list of Palms, Azaleas, Begonias, Dracacnas, Aspedestras, Ficus Bay Trees, offered by Van Dillewyn & Thiel. Meirelbeke Nursery, Ghent, Belgium. Sole agents, Jackson & Perkins, Newark, N. Y.

H. N. Wild recently bought out his brothers interest in the Wild Bros. Nursery Co., Sarcoxie, Mo. The firm will retain the same name.

Subscribers to the *NATIONAL NURSERYMAN* can assist in advancing the welfare of this journal by placing their orders for supplies with the firms who advertise in these columns.

Business Movements and Activities.

P. J. Berckmans, of Augusta, Ga., the best known florist and horticulturist in the state, has been given the task of making the flower gardens about the grounds of the Georgia Academy for the Blind. The work of the florist will be to lay out the grounds artistically and furnish trees and shrubbery that will be needed.

The Texas Nurserymen's Association met July 8, at College station, when some interesting papers were read by various members of the trade. Officers were elected as follows: J. B. Baker, Fort Worth, president; R. H. Halbert, Arcadia, vice-president; J. S. Kerr, Sherman, secretary-treasurer.

At the meeting of the Western Association of Nurserymen, J. H. Skinner of Topeka, Kans., said that a hole the size of a silver quarter in a box will allow the useful wren to pass through for nesting purposes, but will exclude the robbing and murdering English sparrow.

The Clinton Falls Nursery Co., Owatonna, Minn., will build two more rose houses this fall, making eleven large houses devoted to roses, with four in carnations and two in chrysanthemums, besides smaller houses for miscellaneous stuff.

The delegates in attendance at the convention of the Pacific Coast Association of Nurserymen, recently in session at North Yakima, were the guests of the Washington Nursery Co., July 9, on a tour of inspection. More than 30 growers from the northwest looked over the young trees. One of the most interesting features was the inspection of 1,000,000 young grafted trees in variety, all growing in one block.

A Colorado Nurseryman, J. E. Spencer, Grand Junction, Colo., says that 1,000,000 trees have been sent out this year in the valley in which he lives.

The park of Equerry Von Oheimb in Pohlschildern, Lignitz, Germany, boasts of the oldest *Liriodendron tulipifera* in Germany, a magnificent specimen, 65 feet high and 10 feet in circumference. Tradition has it that this tree was brought in 1720 as a sapling from Italy to Pohlschildern by an ancestor of the present proprietor.—*Møller's Deutsche Gärtner-Zeitung*.

A NEW NURSERY.

Frank W. Power, Salem, Ore., has been out of the nursery business, so far as any financial interest is concerned, for more than six months.

Last December, Mr. Power disposed of his remaining interest in the Oregon Nursery company. The Capital City Nursery company, the Albany Nurseries and the Portland Wholesale Nursery company, to M. McDonald. Previous to this time, in May, 1907, Mr. Power had sold a part of his interests, the Chico Nursery company, to Bouillard & Wightman and the deal of last December left him without any financial interest in the above properties.

At the request of Mr. McDonald, who was obliged to be absent in California on account of the sickness of his wife, Mr. Power consented to remain as general manager of the Oregon Nursery company until after the spring packing this year.

Mr. Power retires from the various prosperous concerns with which he has been identified for many years, with the best and most friendly feelings on all sides. He retires simply as a business proposition, believing that he can better himself financially, and steps out with the cordial good wishes for the success of the enterprise with which he has been identified so long and wishing these concerns the same full measure of success and prosperity.

Mr. Power commenced work for McGill & McDonald, proprietors of the Oregon Wholesale Nursery company nine years ago, after it had been under the control of the above firm about five or six years

and the business by hard work had been built up to about \$33,000 to \$35,000 per year. In 1900, the company was re-organized as the Oregon Nursery Company, Ltd., and about five years ago, Mr. Power became a stockholder and vice-president of the company, holding this position in the corporation until his retirement.

About four years ago, Mr. Power purchased a large interest in the Chico Nursery Company and shortly afterward moved to Chico, Cal., to manage the business. He was very successful in building up a large business in California. The sales last year amounted to over half those of the old company in this city. However, owing to the climate being unfavorable to the health of himself and family, Mr. Power sold out his interests at Chico, in May, 1907, to Bouillard & Wightman, and returned to Salem, where he again took up active work with the Oregon Nursery Company. Last year he sold his interest in the companies as noted above.

Mr. Power's plans for the future are somewhat unsettled. He has been repeatedly asked to start a nursery in this city and has the matter under consideration. However, he has other business openings and may decide to go elsewhere.

With his experience as an officer and stockholder in the various enterprises with which he has been identified for the past nine years and in which he has been conspicuously successful, there is no doubt whatever of Mr. Power's equipment and ability to make a venture of this kind a great success. The labor problem is an ever present one in the nursery business and Mr. Power's ability to find the right kind of a field man and a first-class office man will have something to do with his final decision in the matter of embarking in business here.

Many friends will earnestly hope that Mr. Power may be able to make arrangements to launch his new enterprise and remain in Salem. As chairman of the general cherry fair committee he worked night and day and contributed not a little to the flattering success of that great show.

Pecan Notes.

PECAN NUT INDUSTRY.

That pecan growing is conducted in Texas on a paying basis may be judged from the fact that the crop of 1907 was estimated at over \$1,500,000, of which \$250,000 worth of nuts was bought by New York dealers, at the exceedingly low figure of from eight to twelve cents a pound. The largest shipment on record in the industry—12,000,000 pounds of nuts or about fifty carloads—filled about half of the New York orders.—*Garden Magazine*.

A NEW PECAN COMPANY.

The Yazoo Valley Pecan Co. has been incorporated at Memphis, Tenn. by S. L. Parks, F. M. Gulick, B. W. Darham and C. T. West, all of Memphis. The capital stock is \$500,000. The officers are W. R. Barksdale, president; J. E. Van Trees, vice-president; W. M. Kavanaugh, second vice-president, and R. L. Sparks, secretary and treasurer.

TEXAS PECAN BULLETIN.

Prominent Growers Contributed Various Articles as to Care and Culture.

The bulletin of the Texas Department of Agriculture, touching the pecan industry of Texas, made its appearance recently and contains expositions of pecan growing and the culture of other nuts as well that are calculated to prove of enduring benefit to farmers and nurserymen.

Touching this industry Commissioner Milner said that its development should not be neglected by the farmers of the state if for no other reason than that of its commercial importance and value. He made a rapid calculation of the possible value of the pecan crop of Texas had every farm owner in Texas planted at least an acre in such trees. Figuring on a basis of 300,000 farms, fifty trees to the farm and \$10 as the net revenue derived from one tree, Commissioner Milner calculates, purely as a hypothetical case, that this year's crop would have been worth in the neighborhood of \$150,000,000.

Mercly as an arithmetical proposition this demonstrates the great worth of pecans to Texas. It is a crop that can be harvested with the minimum of expense and can be grown almost anywhere in Texas. In certain sections irrigation would probably be necessary but the yield is said to be generally sufficient to warrant such expenditure.

The department's bulletin contains the written ideas of experts on nut culture. General directions for nut growing are advanced by E. W. Kirkpatrick, Fernando Miller, H. A. Halbert, C. Falkner, Harvey C. Stiles, Frederick W. Mally, Gilbert Onderdonk and F. M. Ramsey. The best pecan is described by H. P. Attwater, E. E. Risien, T. V. Munson and others mentioned in the foregoing section. Transplanting, budding and grafting are explained by C. Falkner, John S. Kerr, Charles L. Edwards and others enumerated. Top working also comes in for its share of analysis by Mr. Risien, Mr. Halbert and J. F. Sneed. The subject of walnuts is exploited by G. A. Schattenberg and Harvey C. Stiles. Marketing pecans is explained by Mr. Halbert, Mr. Ramsey and Z. T. Fulmore. The bulletin contains some forty pages of interesting and instructive matter which was principally incorporated in papers read before the convention of the Nut Growers' Association. The Texas Department of Agriculture has any quantity on hand and will be glad to furnish bulletins to any interested person.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The flower show at Horticultural Hall, Boston, on August 8 and 9, though not large, contained many interesting exhibits. It was composed mostly of hardy flowers. R. & J. Farquhar made quite an exhibit of *Lillium auratum* which contained many fine flowers. F. J. Rea, the Bellevue Nurseries, and the Blue Hills nurseries, each had a fine exhibit of herbaceous plants, while T. C. Thurlow & Co., William Whitman and Mrs. A. W. Blake made displays of phloxes. Annuals were shown by Wm. Whitman, Mrs. J. L. Gardner, Mrs. E. M. Gill and others.

Fruits formed a fine section of the exhibits, many fine specimens of apples, peaches, pears, etc., being shown.

Another exhibition of the society was August 22 and 23, when the leading exhibits were phloxes, asters and gladioli.

NEWPORT HORTICULTURAL SOCIETY.

A regular meeting of this society was held on Tuesday evening, August 11, with President John T. Allan in the chair. A. J. Rickards, of New York, was elected to membership and a certificate of merit was awarded to Samuel Speer's new gooseberry "E. H. Green."

President Allan urged upon the members the importance of the work being done in the school gardens and called for a greater interest on the part of the society; he suggested that something could be done in helping the children in the selection of seeds somewhat better than those supplied by the government.

FEDERATION OF TREE-GROWING CLUBS.

In a letter to the *Irrigation Age*, H. C. Greene speaks of a movement in which nurserymen will take varying degrees of interest. We quote the letter as printed over his name:

Monterey, Cal., April, 1908.

Since our people have become aware that we are facing a wood famine the subject of tree-planting has received much attention from publishers:

It seems to me that tree growing would become popular if the right kind of people in each community would start it. Roller skating, bicycling and bridge may be good wholesome fads, why not a tree-growing fad? It would do so much more good in every possible way and so many more of our people, young and old, would be enticed into it. The time is now ripe for a new fad, then let it be

the growing of useful trees. My reader is very likely to be the very person to awaken an interest and set an example to make tree-growing fashionable.

Get some of your congenial acquaintances together and form a club. Write to Superintendent of Documents, Forestry Service, at Washington, D. C., for a catalogue of books, pamphlets and leaflets on trees, published for free distribution, and select what you think will be useful. You will find that the instructions for growing trees as given in such papers as are printed by the Government, or for that matter, by outside parties, are principally for nurserymen or for extensive tree planters, but to follow directions is beyond the sphere of the average person.

The value of the method of growing trees by the aid of the discarded tin can appeals especially to persons having some experience in propagating trees. Plant some tree seeds in a box, lightly covered with sandy soil (not plastic). When not more than three inches high transfer into cans with bottoms well perforated, and bury the cans to tops in some well-protected spot, shade from hot sun and keep the soil in the cans continuously moist.

Generally, if your seed is good and the above rules are strictly followed, you will meet with success.

The common method of propagating trees requires so much space and labor that very few of our people have participated in it, and most of those who have, became discouraged.

In the wild it is only by chance that a tree seed finds a resting place where right conditions are maintained; thus few of the millions of seeds which fall ever develop into trees, even with those that happen to sprout: so it is inadvisable to sow tree seed broadcast unless under special conditions.

One purpose of the organizations of the Federation of Tree Growing Clubs of America is to distribute seed; exchange, one with another, thus a general diffusion of species will result. As for instance, at Monterey, Cal., we have two very valuable indigenous trees, the Monterey cypress and the Monterey pine. Seeds of these beautiful trees can be had for the asking and postage.

A tree-growing fad is inexpensive and I think the most satisfactory, besides it would be the most interesting and useful one ever started in the world.

Speak of this to your friends!

H. A. GREENE,
President F. of T. G. C. of America.

The Best Commercial White Peonia FESTIVA MAXIMA, True



We offer 5-year-old clumps of this fine White Peony. These we trued up and rogued, and can be depended upon to be Festiva Maxima and produce good flowers next year if left undivided and planted in September. This is the most profitable White Peony grown.

We sold 250 dozen flowers from the stock we offer this season.

**APPLY FOR
PRICES**

VAUGHAN'S SEED STORE

CHICAGO, 84-86 Randolph Street
NEW YORK, 14 Barclay Street

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

Southern Grown SHADE TREES

26 years' experience in producing nursery stock for Southern needs has given Glen Saint Mary Nurseries Company leadership in this field. Over 800 acres of ground and extensive experiment operations. Constant adherence to the watchword "Trees True to Name" is a cardinal principle.

The Glen St. Mary Nurseries offer specially select stock in Magnolia, Tulip, Camphor and Umbrella trees. Their stock of Figs, Peaches, Pecans and Citrus fruits is extensive and maintains the highest standard.

Amoor River Privet

In large quantity and highest quality. Glen St. Mary Nurseries products are widely known by reason of their superiority and we invite correspondence from nurserymen who are in the market for any of our specialties or standard stock.

Send us a list of your requirements
Prices consistent with quality of Stock

Glen Saint Mary Nurseries Company
Glen Saint Mary, Florida.

G. L. TABER, President and Treasurer
H. HAROLD HUME, Secretary

NURSERY STOCK

WE have to offer to the trade this season a complete line of general Nursery Stock which includes all leading commercial sorts of apple, peach, pear (standard & dwarf), apricot, plum and cherry. Also small fruits, grapes, ornamentals, etc.

Our plantings of apple and peach are especially heavy, sizes running mostly to the larger grades.

Your correspondence is solicited. Send us your list of wants for quotations.

Our list to the trade will be ready about Sept. 10th. Write for it.

STARK BRO'S NURSERIES & ORCHARDS CO

Louisiana, Missouri.

Small Fruit Plants

For the Nursery Trade

FALL, 1908

500,000 Black and Purple Raspberry Tips



250,000 Gooseberry Layer Plants

CURRENT AND GOOSEBERRY CUTTINGS

Everything in Small Fruit Plants.

Write for prices

P. D. BERRY

R. F. D. No. 3

DAYTON, O.

The Willis Nurseries

OTTAWA, KANSAS

OFFERS for sale for fall of 1908 and spring of 1909 a choice general assortment of Fruit and Ornamental trees, Grape vines, including 100,000 Concord, and other leading sorts, Shrubs, Hedge, Small fruits and Forest Seedlings. 20,000 choice 1 yr. Privet. We shall be glad to make prices to any one needing goods in our line.

WANTED—20,000 Russian Olives, 8 to 12 in.

A. WILLIS,

Ottawa, Kansas

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

I have enrolled on my books upwards of sixty prominent Nurserymen in various parts of the country who come to me regularly for their catalogs, trade-lists, order blanks and other supplies. My equipment is thoroughly up to date. I have a large quantity of engravings available for the use of my customers, and a competent and experienced force of workmen. My work is strictly first-class. I shall be pleased to make new acquaintances.

W. F. HUMPHREY,

Established 1885.

31 Linden St., Geneva, N. Y.

Write for Samples, Stock Catalogue and Price List.

FALL OF 1908

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

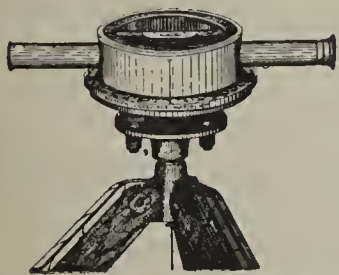
JOHN A. CANNEDY NURSERY AND ORCHARD CO.,
CARROLLTON, ILL

Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,



are conceded by all who know to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO.

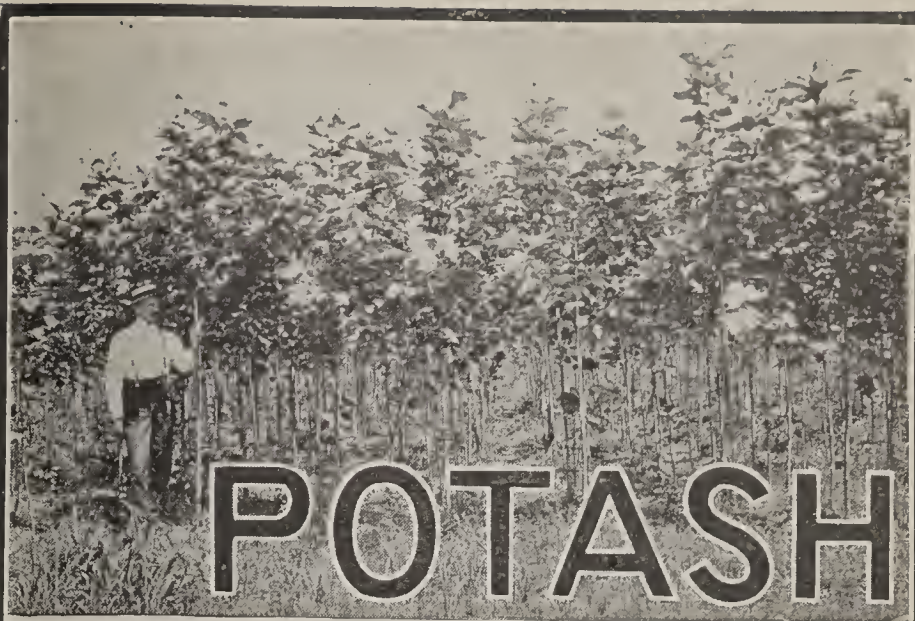
133 MADISON AVENUE, ATLANTA, GA.

PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,

4th Ave. & Clinton St., BALTIMORE, MD.



Hardy Nursery Stock

is grown with unfailing success on land made fertile by the application of commercial fertilizer containing the proper proportion of Potash.

Do not forget the importance of Potash in the growing of trees, shrubs and plants.

A correct fertilizer supplies the plant food for abundant foliage, produces sturdy stock and imparts to young trees a disease-resisting vigor.

Ask for Our Free Books on Fertilizing

GERMAN KALI WORKS, 93 Nassau St., New York
Monadnock Bldg., Chicago. Candler Bldg., Atlanta, Ga.

Nursery Business for Sale

For Sale as a going concern a fully equipped prosperous Nursery business, established over sixteen years, within seven miles of New Westminster. The Nursery is situated in the immediate vicinity of an extensive and rapidly increasing fruit-growing district. Two miles from railway station and steamboat landing. The property consists of forty-seven acres of land, about twelve acres cleared, a large modern house of seven large rooms, besides pantry, scullery and fully equipped bath room with w. c. and hot and cold water. Also extensive cellar 20x40 feet, packing shed, stable and barn. Team of horses, three delivery rigs, all sorts of nursery tools, five head of cattle, etc., etc. Twenty-five to thirty thousand fruit and ornamental trees, twenty thousand hedge plants. The largest and most select collection of evergreen and golden shrubs from 1 to 6 ft. in British Columbia. There is a large and increasing demand for fruit trees, small fruits, ornamental trees and shrubs of all sorts in B. C. Over 1,000,000 trees were imported last season. This is an opportunity seldom offered.

FOR FURTHER PARTICULARS APPLY

D. M. R.

Care "National Nurseryman"

218 Livingston Building, Rochester, N. Y.

In writing to Advertisers mention The National Nurseryman.

50¢



MODEL
A

MODEL
A
LEATHER END

Bull Dog

SUSPENDERS

OUTWEAR THREE ORDINARY KINDS

Rubber—the Life of a Suspender

is a vegetable that decays and evaporates, giving suspenders short life if the strands are not thick enough to withstand penetration by the elements. A comparison of the thin rubber used in ordinary 50c. suspenders with the thicker strands to be found in BULL DOG WEBS explains why BULL DOG SUSPENDERS withstand heat, perspiration of the body, climatic action, etc., better, and why **They Outwear Three Ordinary Kinds.** Bull Dog Suspenders have unbreakable, non-rusting, gold gilt metal parts; tough, pliable Bull Dog ends that won't pull out at the button holes, are made in light, heavy and extra heavy weights (extra long if desired), comfortable, neat, durable.

TRUE SUSPENDER ECONOMY, 50 CENTS

Money Back if not entirely satisfactory

HEWES & POTTER, Dept. 2931 Lincoln St., Boston, Mass.

In writing to Advertisers mention The National Nurseryman.

University Avenue Nurseries

1865

1908

We Offer Among Other Things Fall of 1908 the
Following Choice New Varieties :

BABY DOROTHY ROSE.—The best of all the Babies
for out-door planting or for forcing, strong 2-year
plants.

Pink Baby Rambler, ANNA MULLER.—A grand bud-
ding rose, very floriferous, heavy plants.

White Baby Rambler, CATHERINE ZEIMET.—Double,
pure white fragrant flowers, desirable.

LADY GAY.—Distinct from, and more refined than
Dorothy Perkins. Grand climber.

A New Hybrid Rugosa, F. C. MEYER.—Strong grower,
color silvery pink. Recommended.

Hydrangea, Grandiflora Alba, or "HILLS OF SNOW."—
The best shrub for dealers to handle.

**Anchusa Dropmore Var., The "HEAVENLY BLUE
FLOWER."**—Extra strong blooming plants. Send
for circular.

Veronica Long Sub., BLUE BIRD FLOWER.—A grand
border plant.

PAEONIES.—The Only Gold Medal Collection at St.
Louis.

PHLOXES.—Largest and best collection in State of
New York.

TEA'S WEEPING MULBERRIES.—Extra strong heads.

ALSO A FULL LINE OF ROSES AND FLOWERING SHRUBS, ETC.

JOHN CHARLTON & SONS
Rochester, N. Y.

HUNDREDS OF ACRES

GOOD STOCK

LOW PRICES

Trade Specialties for FALL

AMPELOPSIS VEITCHII, 2 to 3 yrs.

ARALIA SPINOSA, 4 to 5, 5 to 7, and 7 to 8 ft.

CATALPA BUNGEI, 2 and 3 year heads.

PLATANUS ORIENTALIS, 8-10 ft. and 2-3 ft., 1 yr.

LIGUSTRUM OVALIFOLIUM, 18-24", 2 to 3 ft. and 3 to 4 ft.

MYRICA GALE, 2 to 2 1/2 ft.

PHLOX, Perennial Varieties, field clumps.

STEPHANANDRA FLEXUOSA, 2-3 ft. and 3-4 ft.

VIBURNUM PLICATUM, 2-3 ft. and 3-4 ft.

VIBURNUM DENTATUM, 2-3 ft. and 3-4 ft.

HARDY RHODODENDRONS, 18-24" and 2-2 1/2 ft.

ROSA RUGOSA, 15 to 24" and 2-3 ft.

WANTED—2,000 CAROLINA POPLARS, 1 1/2 - 1 3/4 - 2."

American Nursery Company

150 BROADWAY, NEW YORK CITY

BLOODGOOD NURSERIES DEPT.
F. & F. NURSERIES DEPT.

FLUSHING, LONG ISLAND
SPRINGFIELD, NEW JERSEY

PEACH SEED

NATURAL PEACH PITS OUR LEADER

Communicate with us for LOW PRICES, LARGE CONSIGNMENTS

Southern Carriage and Seed Co.

Barre Street, near Charles - - - BALTIMORE, MD.

KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.

SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina
Poplars all sizes; Concord Grapes; Currants; Asparagus and a full
line of Ornamental Shrubs, Peonies, &c.

When writing to Advertisers mention The National Nurseryman.

Nursery Stock

Walter Charles Sloccock
GOLDWORTH NURSERY
WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF
THE FOLLOWING :

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices can
be quoted on all Conifers.

**HARDY ORNAMENTAL EVERGREEN AND
DECIDUOUS TREES.**

ROSES, Standards, Dwarfs and others.

MANETTI and other **ROSE STOCKS.**

FRUIT TREES in large quantities.

Transplanted **FRUIT TREE STOCKS.**

RHODODENDRONS and other **AMERICAN
PLANTS.**

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other **HARDY CLIMBING
PLANTS.**

Transplanted **FOREST TREES.**

THE STOCK IS IN EXCELLENT CONDITION
LARGE QUANTITIES SHIPPED ANNUALLY.

PEACH SEED

Of all Grades

FOR SALE AT LOW PRICES

WRITE **THOS. R. HAMAN**, 1614 Oliver Street
BALTIMORE, MD.

Fruit Tree Seeds

Write promptly for prices on
the following: Mazzard and
Mahaleb Cherry, French Pear,
Apple and Tenn. Natural Peach
Pits.

Use "Red Star" Raffia.
Sample free.

THOMAS MEEHAN & SONS, Inc.
Dresher, P. O. Box T, Pa.

Forest Plants

Hedge Plants Fruit Stocks Day Briars

PRICE LIST FREE ON APPLICATION

JULIUS HANSEN PINNEBERG, (Holst) Germany

WE WANT A FEW EXPERIENCED NURSERY HANDS

Steady work, good wages, and opportunity for advancement.

MONTANA NURSERY CO.,
BILLINGS, MONTANA.

When writing to Advertisers mention The National Nurseryman.

The Winfield Nursery Co.

Of Winfield, Kansas

OFFER YOU FOR FALL 1908

Mahaleb Home Grown

A full line of Forest Seedlings and Shades, including Honey Locust, Black Locust, Soft Maple, Elm, Box Elder, Ash, Speciosa, Catalpa, etc.

2 year Assorted Cherry, best on the market.

Keiffer, Clapp's Favorite and Garden Standard Pear, 1 and 2 year.

500 Choice Bungei Catalpa budded 7 to 9 ft., 1 yr. heads, 1 1/4 to 1 3/4 inch stems.

Apple and Pear Seedlings

The Winfield Nursery Co.

WINFIELD, KANSAS

B. E. Fields & Son

Fremont Nurseries
FREMONT, NEBR.

Offer For
Late Fall Shipment 1908
Spring 1909

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS.

500,000 1 year GRAPES that promise to be fine.

ELM and MAPLE

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar 1 and 2 years. Branched and Whips.

Catalpa (Speciosa) Catalpa

Elm, Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

BALTIMORE NURSERIES

Franklin Davis Nursery Company
BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.



NURSERY PRUNER NO. N

CUT IS EXACT SIZE.

No shoddy here. Sample by mail, 50c. Blade is hand forged and warranted. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife, 35c. All Steel Pruning Shears, California Pattern, post paid, \$1. Nursery and Florists' Propagating Knife, white handle, 50c.—You pay 75c for a much inferior knife. Send for a 12 page SPECIAL NURSERY CATALOGUE.

MAHER & GROSH CO., 90 A Street, TOLEDO, O.

When writing to Advertisers mention The National Nurseryman.

CHERRY TREES

Is what we offer to the trade in car-load lots. Here we are able to hold the foliage on our Cherry trees till digging time, which enables them to store up great vitality,---therefore, they transplant better than trees from which the leaves have dropped early. SEE THE POINT! We have a large number of Montmorency and other leading sorts.

Also some Peach, Plum and Pear.

Come and see our trees or ask for sample and be convinced of their extra quality.

H. M. SIMPSON & SONS
Vincennes, Indiana

CHERRY TREES

ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas, Climbers, Ramblers, - THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now!
Get our quotations—Now!!
Ask for our catalog—NOW!!!

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior
ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

W. W. THOMAS
THE STRAWBERRY PLANT MAN
ANNA, ILLINOIS

200 ACRES IN PLANTS
ASPARAGUS AND RHUBARB ROOTS
NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

Bryant's Nurseries PEONIES

50,000 to offer for fall of 1908.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

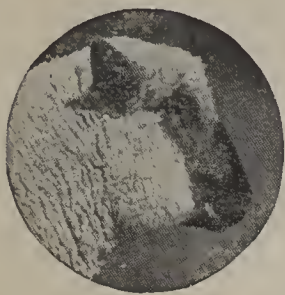
Ornamental Shrubs
all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company
AURORA, ILLINOIS

A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere
Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

STRAWBERRY !

RASPBERRY !

BLACKBERRY !

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

WANTED: A position as foreman in a nursery with fifteen years of experience in all kinds of work. Am not afraid of work. Any communication will receive my prompt attention.

Address J. in care of National Nurseryman.

For Sale 50,000 American Oak Seedlings in ten leading varieties, also other varieties of Forest and Shrub Seedlings, Hardy Herbaceous plants, etc. Would exchange for Roses, Paeonias, Hardy Phlox and Forest Tree Seed.

D. W. BABCOCK, Box 222, Berlin, Md.

PEACH SEED

We are now booking orders for

North Carolina Natural Peach Seed, Crop 1908

We can make immediate shipment or reserve Seed for you till needed.

Write for sample and special prices

CLARK NURSERY CO., Rochester, N. Y.

"It pays to get the best."

When writing to Advertisers mention The National Nurseryman.

DREER SPECIALS

For FALL 1908

PÆONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of
HARDY PERENNIALS

Including the New Hardy
TUNICA SAXIFRAGA FL. PL.

(Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PÆONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

W. H. HARTMAN

DANSVILLE, N. Y.

Grower of

Standard and Dwarf

PEARS

CHERRIES AND QUINCES

European and Japan

PLUMS

Get my prices before ordering elsewhere

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch, well branched and good roots, 10,000 Vinca Minor, (Grove Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch, one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

We own two Nurseries 35 miles apart, will sell at a bargain. Land is under irrigation, no floods or droughts, good location for either wholesale or retail trade. Price \$5,000. \$2,000 cash, balance ten years time, small yearly payments.

TYLER BROS., Kimberly, Idaho

NEW AMSTERDAM HOTEL

4th Avenue and 21st Street, NEW YORK



European Plan. Rooms with use of Bath \$1.00 and up. With Private Bath \$2.00 for one, \$2.50 for two and upward. NEW BATHS AND PLUMBING. Most Convenient Location in City. From 23rd Street railroad ferries or from Grand Central Station, take cars direct to hotel; no transfers.

SPECIAL RATES MADE.

When writing to Advertisers mention The National Nurseryman.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,
NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size. Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted. Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up
" " 3-4 to 1 in. " " 5-8, to 3-4, and
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

Hardy Border Plants

COREOPSIS—Shasta Daisy.

GAILLARDI—Sweet William and all leading Perennials.

AURORA NURSERY CO.

AURORA, ILLS.

When writing to Advertisers mention The National Nurseryman.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.
wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

W. FROMOW & SONS, WINDLESHAM NURSERIES, SURREY, ENGLAND

WE HAVE a very large and up-to-date Stock of **ROSES** [about 400 varieties] in Standard, Climbing and Dwarfs. We can offer in quantity many varieties, chief of which are the following: Prices and full list sent on application. Bessie Brown, Caroline Testout, Baby Rambler, Baby Dorothy, Carmine Pillar, Crimson Rambler, Dean Hole, F. K. Druschki, Gruss an Tep-litz, Hugh Dickson, Hiawatha, Killarney, Lady Battersea, Liberty, Mad. A. Chatenay, Mad. Ravary, Mrs. D. McKee, Mildred Grant, Marie Van Houtte, Richmond, Soliel d'Or, W. A. Richardson, and others.

AUGUST ROLKER & SONS, Sole American Agents, P. O. Box 752, 31 BARCLAY STREET, NEW YORK.

LARGE EVERGREENS

A FINE LOT of Colorado Blue Spruce, Hemlocks, Norway and Oriental Spruce, Nordman's Fir and other choice conifers, 4 to 16 ft. high, recently transplanted. Ask for list.

SAMUEL C. MOON, Morrisville Nursery, Morrisville, Pa.

TWO CAR-LOADS

RHODODENDRONS MAXIMUM

Nursery grown, transplanted stock 2 to 4 feet to "highest bidder." Fall Delivery.

MILFORD A. RUSSELL

Altifirma Nursery,

Highlands, N. C.

WANTED: A competent man to take general charge and management of a nursery. Good salary to the right party. References given and required. State what training and experience you have had, also salary required. All correspondence to be strictly confidential. Address,

"NATIONAL NURSEYMAN,"

Care of National Nurseryman Pub. Co., Rochester, N. Y.

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. **Specialties:** Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

WANTED :

A competent young man with nursery office experience. Permanent position for the right man. Give references and state experience.

GLEN SAINT MARY NURSERIES CO.

GLEN SAINT MARY, FLA.

J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa,
Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

On Your TRIP TO HOLLAND do not Fail to Come and See

The Royal Nurseries

GROENEWEGEN & SON

DE BILT, NEAR UTRECHT

SPECIALTY—First Class Ornamental Stock. Specimen
Trees for Parks, Lawns, Avenue and Roadside.

London Plane, Schwedleri's Maple, Lime Dasystylla,
Horse Chestnut, White and Red Flowered Thorns, Stan-
dard Pauls Scarlet, Elms large leaved, Wheatley Elm.

Hydrangea Paniculata Grandiflora, Variegated Negundo's,
Pear Pyramids, extra fine, extra fine strong Figs, Walnuts,
Filberts, Medlars, etc.

Street Cars for De Bilt every half hour in Utrecht Central Station.
Will meet visitors in Utrecht when advised in due time.

When writing to Advertisers mention The National Nurseryman.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Fall '08, one of the Most Complete Assortments
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
and Native Plum, Peach, Ornamental Trees and a
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.
Lots of shrubs, vines, roses, evergreens, herbaceous
and perennial plants. Also a nice lot of 2 yr.
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Fall 1908 and Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2
yr., Champion, Orange, Meeches & Reas, exceptionally
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.

ESTABLISHED 1870

Special Offers for the Fall 1908

Large stock of 2 yr. Apple in both Buds and grafts.
Peach one year largely 5-8 and up.

Early Harvest B. B. root grown plants in both one
and two year.

General line of nursery stock at lowest prices.
Send want list for special prices.

Parsons Wholesale Nurseries

E. P. BERNARDIN PARSONS, KANSAS

100,000 Peonies

For September and October delivery

We offer over two hundred of the leading varieties
Send for descriptive catalogue and wholesale list

Cottage Gardens Company

INCORPORATED

Queens, Long Island, New York

The Willadean Nurseries

OFFER FOR FALL 1908

A large assortment of Fruit, Shade, Ornamental and Weeping
trees, Shrubs, Vines. Evergreens, Roses, Herbaceous plants, and
Forest Tree Seedlings in large quantities. Tree Seeds we will have
our usual supply. Send for list.

Large stock of Snowballs, Weigelias, Berberis, Spirea Van
Houtti and other shrubs from 2 to 8 feet. Special prices on above.

Trade list ready Sep't. 1st, send for copy.

THE DONALDSON COMPANY, WARSAW, KENTUCKY.

SURPLUS

Dorothy Perkins Roses Jackmani Clematis

TWO YEAR NO. 1

SEND FOR PRICES

GEORGE BROS., Penfield, N. Y.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr., MONTICELLO, FLA

The Cureton Nurseries

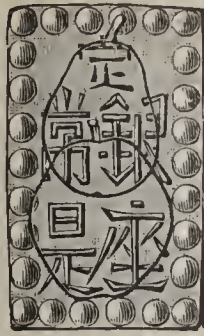
AUSTELL, GA.

I have some large Magnolia Grandiflora, Catalpa, Arborvitaes,
2 and 3 years old. Also 7,000 Pecans, English and Black Walnut
Trees, 3 years old. This stock must be cleared of the land this
fall. Prices attractive.

Try some of my Martin's September Peach. I will let you have
the Trees and Buds too. General line of other Nursery Stock not
mentioned above. Write for prices to-day.

JAMES CURETON, Proprietor

When writing to Advertisers mention The National Nurseryman.



HEIKES--HUNTSVILLE--TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909,
Pears, Plums, Cherries, Peaches, Roses, and
Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other
nursery in the United States. Our stock for the coming season,
while not as large as usual, will be sufficient to enable us to make
reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early
Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess
d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and
Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock
of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both
in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These
are grown at our branch nurseries at Biloxi, Miss., where the condi-
tions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of
the favorable conditions found there for their propagation. Our
stock is large, consisting principally of Hybrid Perpetuals, Mosses,
Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by
W. H. Bell, the Superintendent of these nurseries. It does the
work perfectly and will be on exhibition at the Nurserymen's
Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

Are YOU a Buyer of These?

CRIMSON RAMBLER
DOROTHY PERKINS
QUEEN PRAIRIE
MADAM PLANTIER
BALTIMORE BELLE
CALIFORNIA PRIVET
IBOTA PRIVET
SPIREA VAN HOUTTE
ALTHEA—named sorts

All our own roots.

In all grades including
lining-out stock.

We claim to be headquarters on these items—and some
others. Tell us how many you can use, grade wanted,
and we will quote.

Our General Trade List now on the press—look out for
it, its **YELLOW** (yellow only in color).



Chase Nursery Co.

Huntsville, Alabama

When writing to Advertisers mention The National Nurseryman

DON'T NEGLECT
FALL SPRAYING.

"SCALECIDE"

FALL SPRAYING
IS BEST.

We guarantee to kill San Jose Scale and all soft-bodied sucking insects.

It also contains Fungicidal properties.

Greatest effectiveness. Least labor and expense.

Endorsed by leading Horticulturists, Fruit Growers and Experiment Stations.

Mr. George T. Powell, President of the Agricultural Experts Association, writes July 18th, '08:—We never had our trees so free from scale as at present, and feel that "Scalecide" is doing the work for us.

Write TO-DAY for Booklet B with full particulars, and FREE Sample.

B. G. PRATT COMPANY, Mfg. Chemists, No. 50 Church St., N. Y. City

Special for Fall, 1908

STANDARD AND DWARF PEAR—2 Yrs.
CHERRY, PLUM AND QUINCE—2 Yrs.
NORWAY MAPLES, 8 to 10 Ft.—Fine

No Scale has ever been found in this County
CLOSE PRICES FOR EARLY ORDERS

JAMES M. KENNEDY, Agent
DANSVILLE LIVINGSTON CO., N. Y.

ARCADIA NURSERIES

Monticello, Fla.

**Growers of General Fruit and
Ornamental Trees in Quantity**

High Grade PECANS our specialty

EVERGREEN

AND

FOREST TREE SEEDLINGS

IN LARGE QUANTITIES

A FULL LINE OF

**Specimen Evergreens
Ornamental Trees
Shrubs**

WRITE FOR CATALOGUE

R. DOUGLAS' SONS

WAUKEGAN, ILLS.

Established 1848

PEACH SEED

Free from disease injurious to the Seedling

The following is taken from a letter written me Jan. 25th, 1908, by Prof. F. L. Stevens, at the head of the Department of Plant Disease, North Carolina:

"As stated in my letter of the 20th, my records show the disease in Buncombe and Polk Counties. I have, however, never seen a case of peach yellows in the state in my seven years here, although I have constantly been on the watch for it and have traveled in probably more than eighty counties of the state, and have driven by buggy through practically all of the mountain counties. Nor have I received any specimens of yellows in the very numerous plant diseases which have been sent to me for determination, with one exception, notwithstanding the fact that I have made hundreds of inquiries by mail and through the Agricultural Press for information concerning the distribution of this disease."

Only one case in Buncombe and it in doubt and we now gather no seed in this county and have never gathered seed in Polk County, as the Peaches in this county are largely Nursery Grown and we only gather the Naturals. Prices consistent with grade of seed.

JOHN A. YOUNG

Greensboro, N. C.

THE NEW
HYDRANGEA

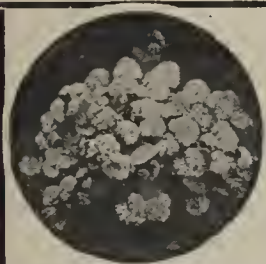
ARBORÆSCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

PEONIES

IRIS and PHLOX

A new catalogue with Cultural Directions and a Surplus List for the trade. **T. C. THURLOW & CO.,** West Newbury, Mass.



The New Hydrangea (Arborescens) GRANDIFLORA ALBA

This is the New Hydrangea that everybody is going to want. Write for prices for strong field grown plants, per 100 and per 1000.

THE ELM CITY NURSERY COMPANY,
NEW HAVEN, CONNECTICUT.

ESTABLISHED 1859

PEACH SEED

We are now prepared to furnish the Virginia Natural Peach Seed Crop 1908—These seeds have for 1/2 a century proven to be the best seed, as we can show from our testimonials from the leading Nurseries of the country.—Get your seed early—as early planting produces the best results.—Later on we will be able to supply Tenn., N. C., and other Southern seed, if to be had. Send for catalog and testimonials.

W. W. WITTMAN & CO.,

117 Hanover St., Baltimore, Md.

P. O. Box "451"—C. & P. Phone—St. Paul "4382."

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias
Nurserymen Should Try My Simplex Tree Baler
IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,

JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

Roses-Season 1908-9



Fall Price-List now ready.
Own roots, summer grown.
400 sorts, 2 1/2' and 4-inch.



THE **LEEDLE** FLORAL COMPANY®
SPRINGFIELD-OHIO.

R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Fall 1908 and Spring 1909

Peach Trees of all the leading varieties,
California Privet and Grape Vines

Send in your list of wants for Special Prices.

SPRING HILL NURSERIES

Formerly of TADMOR, OHIO, now located at

TIPPECANOE CITY - Miami County, Ohio

A full line of **Nursery Stock** especially

Peach, Kieffer Pear, Japan Plum, Black Locust
Seedling, Silver Maple Seedling, Ornamental
and Shade Trees, Hardy Shrubs,
Perennials, Transplanting Stocks

ALL SUPPLIES NEEDED BY DEALERS

See us for Catalpa Speciosa for year of 1909.

Correspondence and personal inspection solicited.

PETER BOHLENDER & SON

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first.

VALDESIA NURSERIES.

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.

California Privet

and Asparagus Roots

I HAVE ABOUT 1,300,000 CALIFORNIA PRIVET one and two years old and 300,000 Asparagus Roots to offer for Fall and Spring delivery. I also have a quantity of Cut Leaf Birch 4 to 10 feet, Sugar Maple from 1 1-2 to 2 inch cal. and Hydrangea P. G. from 2 to 3 feet, extra heavy. This stock is grown right and will be graded right.

I trust you will let me quote you on what you need before ordering elsewhere.

C. A. BENNETT

ROBBINSVILLE,

NEW JERSEY

PAN HANDLE NURSERIES, GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON,

Greenfield, Ind.

WOOD LABELS FOR NURSEYMEN AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.

SOUTH CANAL STREET,

DAYTON, O.

FOR SALE

Reed Tree Stripper and five H.P. Gasoline Traction Engine for same. Outfit has been used only one year and guaranteed right. Two Bragg Tree Diggers, one with extra heavy blade. Will make extremely attractive figures on the above as we have no use for them.

B. F. KEAN, R. F. D., Stanley, N. Y.

WANTED NURSERY FOREMAN

Temperate, industrious party experienced in growing ornamentals. Desirable and permanent position to right party.

Address, NEW ENGLAND,

'care "National Nurseryman."

F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHELOCK & CLARK

AT IT SEVENTEEN YEARS

For FALL 1908 and SPRING 1909
GRAPE VINES AND CURRANT PLANTS
GRAPE AND CURRANT CUTTINGS
CORRESPONDENCE SOLICITED

Fifty-Sixth Year Under One Management

American Everblooming Hydrangea

(H. Arborescens Sterilis)

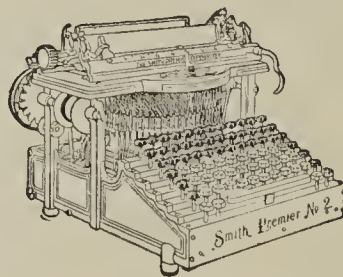
Called also "Snowball," "Hills of Snow" and "Grandiflora Alba."

WE OFFER—The largest stock of one and two year nursery grown plants in America of this best of all HARDY flowering shrubs introduced in recent years.

Peonies. A large and very choice collection, Festiva Maxima, Felix Crousse, Princess Beatrice, Floral Treasurer, Golden Harvest, and 100 other fine sorts. Descriptive circulars free.

The E. Y. Teas Co.

Centerville, Ind.



World-Wide Distribution

There is no mistaking the superiority of a typewriter that, in 17 years, has built up a market in every part of the civilized world. This international endorsement of :

THE SMITH PREMIER TYPEWRITER

proves our right to offer it to you as the world's best typewriter. Write us or any Smith Premier branch for a detailed description of its advantages.

The Smith Premier
Typewriter Co.

36 Exchange St.,
ROCHESTER, N. Y.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



Plum—Chabot

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it. Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

Shrubs Evergreens Roses Hardy Plants

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,
Nurserymen-Horticulturists,
MOUNT HOPE NURSERIES,
Established 1840. Rochester, N. Y.

ROSES

Own Roots and Budded. Big blocks and fine stock. Two year old
No. 1 plants. Will be graded right up to the "J. & P." standard.

A Few of the Good Ones to be had Now:

Crimson Rambler
Lady Gay
Hiawatha
American Beauty
Anne de Diesbach
Ben Cant
Caroline de Sansal
Coquette des Alps
Caroline Marneise
Frau Karl Druschki
Fisher Holmes
General Washington
Gruss an Teplitz
Hugh Dickson
John Hopper
Jules Margottin
La France
Magna Charta
Mrs. John Laing
Margaret Dickson
Marchioness of Lorne
Mary Washington
Mrs. Cleveland
Oakmont
Paul Neyron
Pierre Notting
Ulrich Brunner

Dorothy Perkins
Minnehaha
Trier
Alfred Colomb
Bob Davison
Baron de Bonstettin
Clio
Coquette des Blanches
Caprice
Francois Levet
General Jacqueminot
Gloire Lyonnaise
Gloire de Margottin
Harrison's Yellow
John Keynes
J. B. Clark
La Reine
M. P. Wilder
Mrs. R. G. Sharman—Crawford
Mme. Georges Bruant
Mme. Gabriel Luizet
Madame Plantier
Marchioness of Dufferin
Persian Yellow
Prince Camille de Rohan
Pride of Waltham
Victor Verdier

Ramblers

Climbers

Mosses, etc.

SEND LIST OF WANTS FOR PRICES.

P. S. Newark is headquarters also for Clematis, Tree Hydrangeas, Ampelopsis, and
some other specialties which our soil and climate produce to perfection.

Jackson & Perkins Co.

Dispensers of "The Preferred Stock"
Grown at NEWARK, in WAYNE COUNTY
NEW YORK STATE

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries, Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall
delivery, from 10 inches to 3 feet.



ALTHAEA MEEHANII

(Hibiscus Syriacus)
(Newvariegated
single flowering
Althaea).

Field grown
DOROTHY
PERKINS,
CRIMSON
RAMBLER,
and MARIE
PAVIE Roses.
AZALEA

INDICA,
CAMELLIA,
MAGNOLIA
grfl.,

WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP
POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman

When writing to Advertisers mention The National Nurseryman.



NEITHER TAFT NOR BRYAN WANTS TO "BUST" BUSINESS

and, from present reports and indications, neither of them—nor both of them—can prevent a good stiff nursery business for the Fall and Spring we are now next to.

Therefore, the Wise Nurseryman

will vote as he thinks best, keep his collar from getting too tight about politics, and put most of his time on getting next to that business.

There are Three Ways

in which The McFarland Organizations can help the W. N. who has good stuff to sell to get after that business. These ways are —

1st Way. To avail himself of some of our new photographic illustrations of things he has to sell. We have thirteen thousand original photographs, and we sell the use of any of them on fair and even terms. They will serve to illustrate catalogues and circulars and advertisements.

2d Way. To have us make him an up-to-date business-getting catalogue, without a stale picture, idea or word in it.

“Let the dead past bury its dead”—we are living in the Fall of 1908; and 1907 and other old years cut no figure, except as they add years to experience,

3d Way. To have us plan a whole selling campaign, including illustration, catalogue and advertising. The nursery selling possibilities of America haven't been scratched yet, let alone exhausted! Soap, automobiles, stockings, toilet powder, shoes, and a hundred other things of less importance, are absorbing millions of money from those who would buy trees and plants and seeds with joy, if the horticultural tradesmen were not so nearly dead, or so little awake. Now, we know how to organize such selling campaigns for those who have stock, “ginger” and cash to go into them. Each year those millions pass along to the other fellows who sell hams and baking-powder and guns and boats and such, while the timid nurserymen lose their whack at the boodle!

Wake up, tree men! We're here to see you started when you've just opened an eye—but we can't raise the entirely dead!



The McFARLAND ORGANIZATIONS

J. Horace McFarland Company

Constructors of Catalogues

The McFarland Publicity Service

Builders of Business

MOUNT PLEASANT PRESS : HARRISBURG, PENNSYLVANIA



Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

1857-1908

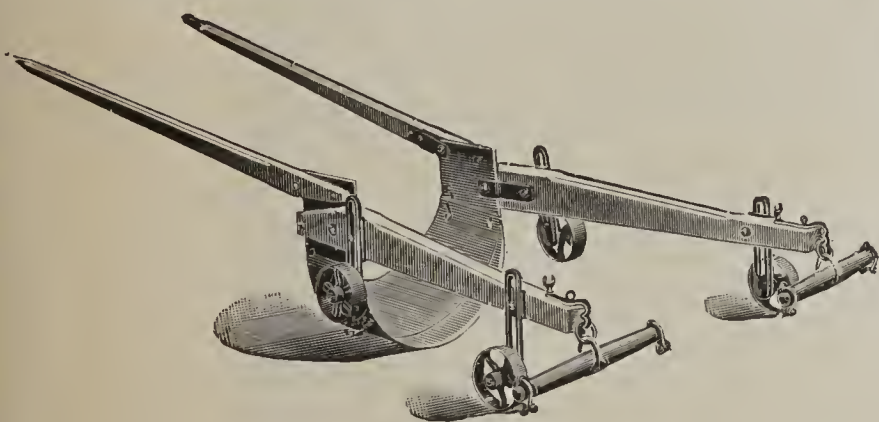
L. G. BRAGG & CO.

Growers of

No. 1 NURSERY STOCK

Also Manufacturers of

Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day; and
only needs same power as a plow.

L. G. BRAGG & CO.
KALAMAZOO, MICH.

When writing to Advertisers mention The National Nurseryman.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

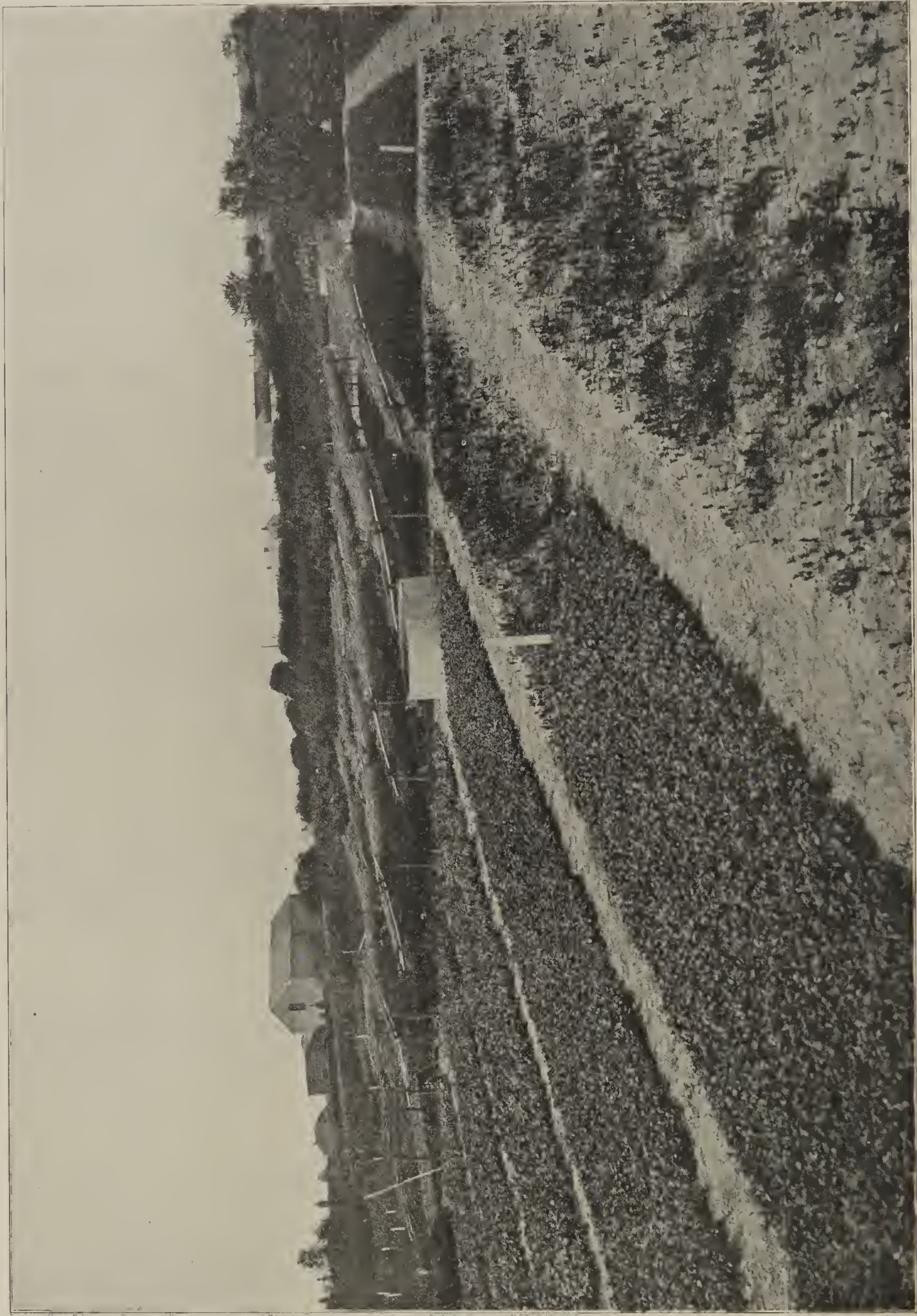
SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.



Corner of a Nursery of Young Plants, mostly seedlings, Vincent Lebreton's Nurseries
La Pyramide, near Angers, France

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., OCTOBER, 1908

No. 10

VINCENT LEBRETON'S NURSERIES

LA PYRAMIDE, TRELAZE (MAIN AND LOIRE) FRANCE

Growers of Fruit Stocks, Forest Trees, Ornamental Trees and Shrubs

Written and illustrated especially for THE NATIONAL NURSERYMAN

The region about Angers, France, in the valley of the historic River Loire, associated with memories of the Maid of Orleans and aptly termed "the garden of France," is noted as the great fruit stock producing section of France. The soil conditions are peculiarly favorable. It is alluvial river bottom land, fine in texture and very friable. Being at river level, it is supplied with an abundance of sub-moisture. This under supply of soil water carries the stocks through the dryest seasons without check or set back.

It also extends the growing season very materially with the result that in this locality the maximum development of the plant is possible. One of the peculiarities of the French system of growing fruit stocks is that most of the young plants are transplanted, that is "pricked out" by hand after germination, so that each stock is spaced and has room for symmetrical development. This is of special importance to the man who buys with the intention of using the stocks for root-grafting as is the custom in the middle west. Of course this treatment would be quite impossible in the United States owing to the high cost of labor but with day wages at forty to fifty cents for men and less for women it becomes thoroughly practicable.

A MODERN NURSERY.

One of the largest and most progressive growers in the Angers group is the subject of our sketch Monsieur Vincent Lebreton. During the twenty-four years he has directed the Lebreton Nurseries, he has by perseverance, intelligence,

industry and the application of up to date methods developed an excellent business and established wide connections not only in America but in Europe, Africa and in the occident.



Monsieur Lebreton (in center) and his co-workers

The head of this firm, Mr. Vincent Lebreton, was for a number of years manager of the nursery which he now controls. He has associated with him, his son-in-law. Since the reorganization of the Company the business has grown with great rapidity. The exportations last year to America alone, amounted to over 20,000,000 plants of fruit and ornamental stocks. Mr. Lebreton is well known throughout France and Europe generally as an extensive and reliable grower of nursery stock.

The headquarters of the nursery is situated at La Pyramide, about three miles from the City of Angers, and lying between that City and the river Loire. It was formerly partly submerged land but was reclaimed by one of the Emperors of France who, fortunately, had an eye for agriculture.

Mr. Lebreton now operates directly sixty-five to seventy acres of land and controls the output of many more, managed by small growers in the vicinity. This area may sound insignificant to the extensive American grower who covers large tracts with trees widely spaced for horse tillage. It is nevertheless surprising to find how many trees can be packed upon an acre of ground when set and cared for after the intensive European plan for hand cultivation.

THE PRODUCTS.

Apple, pear, cherry and plum stocks are extensively



General View showing office and houses used in the storing and packing of plants in the Vincent Lebreton's Nurseries

propagated from seed collected in the numerous seedling, (hence named french crab stock), orchards of Normandy and Brittany, quince and mannetti are grown from cuttings. Some ten or twelve firms in the vicinity of Angers may be



An avenue of Magnolia Grandiflora, Vincent Lebreton's Nurseries

regarded as exporters while there are over five hundred small propagators engaged in the industry to a greater or lesser extent.

The packing of small stock is all done in strong boxes made on the ground and carefully paper-lined. During the shipping season, Mr. Lebreton employs twenty-five to thirty expert packers and the scene in the packing house at the height of the season is a busy one, be it night or day. Experience has taught these men how to select, pack, well graded and ripened stock in such manner as will insure arrival in perfect condition.

Foreign shipments are despatched by wagon to the local station thence to the steamer by rail in four to five days. Country roads in France are at once a revelation and a joy! Think of hauling a load of eight to ten thousand pounds in rural districts! This is not only possible but usual in and about Angers.

The Vincent Lebreton's Nurseries are ably represented in the United States by McHutchison & Co., 17 Murray St., New York City, to whom all inquiries regarding this firm should be forwarded.

Among the standard lines then offered by this firm are apple, pear, cherry, quince, plum, mannetti rose stocks, and forest tree seedlings, of which as we have said over 20,000,000 were forwarded to U. S. and Canada last year. Other specialties are found in the large list of ornamental trees and shrubs. The firm of Vincent Lebreton Nurseries, have acquired and are rapidly adding to their reputation for good stock and business integrity.



A corner of the Propagating room. Vincent Lebreton's Nurseries



Plot culture method with Rhododendrons under shade
Vincent Lebreton's Nurseries

EDITORIAL WANDERINGS VI.

INTERESTING HOLLAND—THE LAND OF INTENSIVE NURSERY CULTURE

For a little country Holland possesses an astonishing number of interesting features. It makes little difference whether one is interested in art or agriculture, language or science, he will be sure to find in this small stretch of swampy, or in some places sandy land, things of surpassing interest. We approached Holland from the south east and

were at first greatly disappointed in finding extensive sandy stretches apparently so poor that nothing but an indifferent growth of Scotch pine was able to maintain a precarious existence. This was on the line connecting Utrecht and Amsterdam. Soon, however, the alluvial Rhine

region is reached and the character of the vegetation is improved. In Holland the fences are replaced with ditches. The country is cut up into oblongs and squares, the boundaries always being water. In these areas the traveller notes the great herds of belted cattle mostly in fine condition. The ditches are crossed by small bridges having hinged tops which open upwards forming a barrier, and a moat at the same

time. The herbage is certainly succulent, whether rich or not is a question. What the effect of this diluted forage is on the quality of the milk can only be suggested by the low per cent. of butter fat in many individuals of the Holstein race. So far as I am aware there are no large nursery establishments in the vicinity of Amsterdam. There is however, a

very interesting University, with a Botanic Garden attached, the director of which is the famous Professor De Vries, author of the Mutation Theory in relation to the development of plants. De Vries is of the opinion—nay more, believes—that modification in plant life occurs, not by slow, gradual



Old-fashioned locks at the head of one of the canals near Haarlem

change, but by sudden jumps whereby new individuals appear quite distinct in form and character from the old and endowed with the ability to perpetuate themselves and thus continue the new species. Prof. De Vries has proved his theory with *Oenotheras* and is continuing his studies with other groups of plants.

SPECIAL NURSERY SECTIONS.

The great nursery interests of Holland so far as they interest and affect the allied industry in the United States, are situated at the following centers.

Haarlem: Everyone has heard of Haarlem bulbs. Illustrations of these bulb fields were shown in our September issue. The veriest tyro in Horticulture if in Holland in spring, goes to Haarlem to see the great field displays of hyacinths and tulips. The soil is an alluvial sand and is periodically enriched by dressings of sea weed, muck and other organic matter. Lime and mineral fertilizers are used in considerable quantities. Haarlem possesses an active Horticultural society which is an important factor in promoting the development of new varieties of bulbs by offering prizes and other inducements.

There are two very busy seasons in this section, one in the spring and the other in harvesting time in autumn. The latter usually begins in July when the bulbs are lifted and dried preparatory to "skinning," or shucking off the outer coating. This is quite a lengthy and tedious process but must be done before sorting them. After sorting, comes the important work of filling foreign orders. These must be forwarded as early as possible to favor the American planters. The packing sheds present a lively appearance at this time and the superintendents are expected to pay little attention to such trivial details as eating, drinking and sleeping when the rush is on.

LEYDEN AND OUDENBOSCH.

These are two other important nursery centers. The first

is noted for its bulb products while the latter is eminent as a great ornamental tree region. Leyden is the seat of a famous University to which as is the custom, a botanic garden is attached. Most of these European botanic gardens are only open to the public at set times. The touring horticulturist is courteously admitted, however, whenever he can reach the superintendent with his card. The garden at Leyden has been established something over three hundred years. It contains many fine specimens of trees introduced by early explorers from Japan and China. One may see also venerable examples of purple beech, plum and Schwedler's maple. Large quantities of bulbs and herbaceous perennials are grown in the vicinity.

At Oudenbosch, about twenty miles from Antwerp and not far from the Belgian frontier one finds tree nursery culture practiced in a truly intensive manner. There are fifteen or twenty exporters and many small nurserymen who grow stock under contract for the exporters, or on the chance of selling to them. The soil is a sandy loam which may be worked rain or shine. The areas are divided into small



A view of the sand dune, coast region of North Holland



View on the beach at Scheveningen, the Atlantic City of Holland. These chairs form at once a windbreak and sunshade



Quaint Peasant Costumes in North Holland

blocks with short rows close together and cultivated exclusively by hand! Man labor seems to be cheaper than horse. Forage is scarce and expensive. It is astonishing to find how much of the transportation work is done by hand push carts aided by dog power. The dogs a stocky type of the great Dane breed—are strong and docile. They keep up a steady “dog trot” which develops a rapid walking gait in the man who guides the two-wheeled vehicle. It is an interesting sight to see the delivery of milk in such cities as Ghent and Antwerp by this means of transportation. In many cases women are the distributors. The cans of polished brass are packed in straw or hay to lessen the jar; the roads being paved with stone and the springs of the carts rather stiff, the jar is considerable.

The climate of this part of Holland is especially favorable for the rapid growth of such shade trees as maples in variety, Linden (basswood), horse chestnut and cut-leaf birch. Moisture is abundant and frequent transplantings to encourage root growth may be practiced with ease and success. I find that, contrary to the general notion, these nurserymen work hard. They have a comparatively easy time during the growing season, but when the digging, billing and packing season is on there is a bustle about the place quite worthy of the live American grower. Some of them work a night as well as a day gang and if the manager takes personal supervision, he is “on deck” most of the time himself. In the matter of languages, most of the proprietors speak French and German and occasionally English, in addition to their native tongue. A knowledge of French or German will, always, greatly aid the American traveller among nurserymen on the Continent.

In Belgium one finds a string of nurseries all along the railway line connecting Antwerp, Brussels and Ghent. The last city is famous for its establishments growing palms, azaleas and tuberous begonias. It is not that the areas are so extensive but the ground is so completely covered that an extraordinary number of plants are taken from a small plat of ground. Ghent ships of these plants annually, to the amount of six or seven hundred thousand dollars. The soil is of the sandy alluvial type rather heavier than that of Holland but very easily worked. One of the eminently satisfactory things about travel in Holland and Belgium is that the distances are short, and the train service good. There are fast trains and slow trains and one may take his choice between plush and boards in the four classes offered.



Distributing milk. Note the silver belt buckles on the young man. The handsome young woman displays her jewelry in her bonnet and about her neck.

Doings of Societies.

IRRIGATION CONGRESS.

The Sixteenth National Irrigation Congress will be held in Albuquerque, New Mexico, from Sept. 29th to October 2d. New Mexico as a whole is greatly interested in this congress and the local committee has been working hard for a considerable length of time organizing excursions and local entertainment for the visitors. The headquarters of the convention will be in the Alvarado Hotel.

MAINE FRUIT GROWERS.

The Maine State Pomological Society is scheduled to meet at Waterville, Me., Nov. 11th and 12th, 1908. President, William Craig, Auburn, Me., secretary, W. J. Ricker, Waterville, Me. Arrangements are being perfected for an exhibition of fruit in connection with the annual meeting. A liberal premium list has been prepared which ought to bring out a good display.

SOUTHERN NURSERYMEN.

The Southern Nurserymen's Association met at Atlanta, Ga., Aug. 19-20. An excellent meeting was held and general arrangements were made for the next annual meeting which is to go to Huntsville, Ala. The officers of the association are: Henry Chase, Huntsville, president; A. I. Smith, Knoxville, Tenn., secretary and treasurer.

FARMERS INSTITUTE WORKERS.

The Association of Farmers Institute Workers will meet in Washington, D. C., Nov. 16-17. This meeting occurs at the same time as the Association of American Agricultural Colleges and Experiment Stations. These form an important series of meetings and draw in the leading workers, educators and students in agricultural lines.

CATALOGUES RECEIVED.

Jackson & Perkins Company, Newark, N. Y., "A Business Proposition for Seedsmen."

Trade price list from Wild Bros. Nursery Co., Sarcoxie Nurs., Sarcoxie, Mo., also price list of Peonies, fall Specialties and Seasonable Articles.

Wholesale price list of the Willowdale Nurs., Kennett Square, Pa. The Rakestraw Pyle Company, Proprietors.

Wholesale price list, Mount Arbor Nurseries, Shenandoah, Ia. E. S. Welch, Proprietor.

Wholesale price list of fall, 1908, from Chase Nursery Co., Huntsville, Ala. Consolidation of the Chase Nursery Co., Alabama Nursery Co.

Knox Nurs. Wholesale price list, fall, 1908. Cherry Trees, H. M. Simpson & Sons, Vincennes, Ind.

KIND WORDS.

"We thank you for calling our attention to the fact that we had failed to remit for the NURSERYMAN for the ensuing year. We need it in our business and cannot do without a single number.

H. J. WEBER & SONS NURSERY CO."

foreign Exhibitions.

NATIONAL DAHLIA UNION.

The annual exhibition of this society was held in the gardens of the Royal Botanic Society in London, on Sept. 10th and 11th. This society encourages the improvement of the dahlia by offering medals to those in the professional class as well as to the amateurs. A large entry was secured.

ROYAL HORTICULTURAL SOCIETY.

The September meeting of this society was a very interesting one. Among the flowers exhibited were gladiolai, dahlias and herbaceous phlox. In addition there were large collections of hardy flowers such as tritomas, autumn flowering lilies and the like. Fruits of all the autumn classes were in evidence in large quantities.

A CONTEMPORARY.

Our contemporary, the California Fruit Grower, has moved back to San Francisco and may now be found at 460 Montgomery Street. A removal notice in our last issue confounded this journal with the California Nursery Company.

ELLWANGER & BARRY HEAVY WINNERS AT THE NEW YORK STATE FAIR.

This firm has again made a record in the number of prizes secured by meritorious exhibits of fruit at the New York State Fair. The records show that not less than one hundred seventeen prizes were awarded to this noted firm of Rochester nurserymen for their display of fruits, from collections to single plates, shown in the Horticultural Hall.

OTHER MEETINGS.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society Annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

MOVEMENT OF LUMBER.

Receipts of southern pine at New York during July—30,511,921 feet—were in excess of those of the preceding month, but show a considerable decline when compared with July, 1907, receipts of 42,859,543 feet, the principal losses being indicated in the receipts for Mobile, Savannah, and Wilmington.

Shipments of redwood lumber from upper California during July—30,413,316 feet—compare fairly well with those for a like period in 1907—35,805,624 feet—and also with shipments for a like period in 1906 of 32,356,967 feet. The shrinkage both for the month and the season, when 118,163,936 feet for 1908 contrasted with last year's shipments of 260,158,173 feet, affected principally the consignments to San Francisco Bay.

Exhibition Notes.

GENEVA STATION EXHIBIT AT SYRACUSE.

The New York Experiment Station, Geneva, had on exhibition at Syracuse during the State Fair week, a magnificent collection of plums, probably one of the largest ever seen in the State. This gave an almost unequalled opportunity to growers to study varieties and check up errors which might exist in their own orchards. The Station is now collecting data for the publication of a book on plums similar in kind and character to that on apples which appeared two years ago. The book on grapes which the Station has been working on for the last two years is now in press and is expected to appear before very long.

ILLINOIS STATE FAIR.

The State Fair Commission of Illinois is encouraging the display of flowers at its annual show which opens September 25th, by giving premiums to the amount of \$2,500. The florists of the State seem interested in the project and all those who care to compete, may write to J. K. Dickerson, Springfield, Ill.

NATIONAL FLOWER SHOW.

The Society of American Florists is preparing for a national flower show, and to that end has appointed a committee to further the project. The chairman of the committee in charge is W. F. Kasting of Buffalo. Judges are to be appointed by the leading floricultural societies of the United States. In this way the Chrysanthemum Society, the Rose Society, the Carnation Society and other prominent floricultural organizations have been drawn in as co-operators. The show is scheduled for Chicago, November 9-15, 1908.

E. F. STEPHENS ON FRUIT GROWING IN NEBRASKA.

Dear Sir:

You are doubtless aware that for thirty seven years, this fall, I have been standing up for Nebraska, studying the problems connected with commercial orcharding, and endeavoring to do something in the way of advertising the state.

One of the methods we have utilized in exploiting the horticultural advantages of the state is the giving away of about two hundred bushels of apples annually in places where we thought it would do the most good; another way is to make exhibits at County, State and National Expositions.

In pursuance of this habit, we decided that this, one of our off years in the state of Nebraska, in the way of fruit, was the time to make another effort. We, therefore, commenced in July, to lay away summer varieties in cold storage, to select fall fruits as they ripened for exhibiting purposes and to endeavor to make something better than our usual exhibit at the State Fair.

We annually prune, spray three or four times, fertilize and cultivate. This enabled us to win fifty three first premiums at this State Fair, now just closed. We secured practically all of the leading premiums of ten dollars and upwards.

It is our thought that six or eight lines indicating what could be done by pruning, spraying, fertilizing and cultivating might be encouraging to others.

Last winter we hauled out over 2,000,000 pounds of manure for use in the vineyards and orchards, and we hauled in four hundred loads of straw, securing all the straw there was for sale within a distance of two or three miles.

The quality of the fruit which we are exhibiting at the State Fair this week was a surprise to the public.

E. F. STEPHENS,
Crete, Nebr.

The Crete Nurseries are well known in the state but solicit no trade outside. Mr. Stephens is a careful cultivator and sprays his fruit trees thoroughly each year. He believes in fertilizing and practices what he preaches. He secures his reward in good crops of fruit. *Editor.*

Nut Notes.

By J. F. WILSON.

Walnut growing in the far northwest has passed the experimental stage and the acreage is being rapidly increased.

All the general sessions of the nut growers' convention at Chattanooga in October will be open to the public and all interested in nut culture are invited to attend.

An exhibit of nuts, nut products, nursery stock and implements, as well as photographs of trees and orchards, will be a conspicuous feature of the approaching convention of the National Nut Growers' Association.

A great advantage of nut growing is in the keeping quality of the product, which permits its being held till market conditions are favorable as well as admitting of its being sent to foreign lands, thus greatly enlarging the field for distribution.

The ease and certainty with which a crop of nuts can be marketed, in contrast with the troubles and losses experienced in handling peaches and cantalopes, affords an object lesson which should meet with careful consideration. This is only one of the strong points claimed by the nut grower in favor of his specialty.

The choice varieties of pecans which are now being propagated by budding and grafting and are being planted so largely in up-to-date orchards are rarely seen in the general market. Many people have never seen them and fewer still have tested them in comparison with the nut from the common seedling. They need to be seen, cracked and eaten in order to appreciate their superiority.

TO MEMBERS OF THE NATIONAL NUT GROWERS' ASSOCIATION.

Dear Friends and Fellow-workers:

The time is now approaching for the annual meeting of the National Nut Growers' Association, (Chattanooga) and it becomes necessary to think ahead and plan and prepare for the meeting.

It is very much desired that a good exhibit be shown at the meeting, and members are urged to bring specimens, well prepared and in sufficient quantities to make the exhibition a good one. It might be well also to suggest that they be shown in jars that can be sealed to prevent handling.

This should be the most important meeting of the Association yet held. The industry is growing rapidly, and prominent men are now deeply interested in it. There are many important topics to be considered and the best informed men in nut culture will discuss them.

Each old member should attend and bring a new member for the Association. There is a large amount of dues yet unpaid that should be attended to at once, in order that the affairs of the Association may be kept in a good condition. Hence the need of a stable support will be apparent.

The publication of our Proceedings depends upon the membership fees. There has not been sufficient funds to issue the 1907 Proceedings as yet. Let us come forward with the dues and publish them in time for the 1908 meeting.

The place of next meeting is very convenient, easy of access and in connection with this meeting many points of historical interest may be visited.

Everyone interested in nut growing should attend the Chattanooga meeting. Come and help to make it a great success.
Baton Rouge, La.

F. H. BURNETTE, President.

NATIONAL NURSERYMAN, Rochester, N. Y.

Gentlemen:—

A sample copy of your June publication of the NATIONAL NURSERYMAN has been received. I am very greatly impressed with it. Think it is an ideal paper for the Nurseryman, I herewith inclose One (\$1.00) Dollar for one year subscription for the same. Kindly send me the July and August numbers of this year. Thanking you for your kindness in sending me the copy, I beg to remain,

Yours very truly, OKEMAH NURSERY CO.

The National Nurseryman

Published monthly by
THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
218 Livingston Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., OCTOBER, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Forestry—J. W. Hill, Des Moines, Ia.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.
Program—Jas. M. Pitkin, Newark, N. Y.
Publicity—I. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—Geo. C. Seager, Rochester, N. Y.
Entertainment—Wm. Pitkin, Rochester, N. Y.
National Council of Horticulture—Chas. J. Maloy.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berekman, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morlen, Niagara Falls Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, W. H. Moon, Morrisville, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. I. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

A PERSONAL WORD.

On the morning of September seven, Labor Day, the good ship Menominee of the Red Star Line brought us into Boston Harbor after an absence of seven months and seven days. We were eager to get away; we were mightily pleased to get back. The familiar lines of the city illuminated by the light of a typical September sun were pleasant to look upon. The madam said that it did her heart good to be able to talk without using her hands!

While away the editor has read the NATIONAL NURSERYMAN with as much interest as the citizen his daily.

We are sure that our readers will agree with the editor that the business manager and his editorial assistant, Mr. John C. Gallagher have set such a pace that it will not be easy to maintain the high standard established. Nevertheless, we will try and expect the same hearty support from our good friends the nurserymen in the future that we have thankfully received in the past.

It was gratifying to find in England, France, Germany and the Netherlands or Low countries that the NATIONAL NURSERYMAN was read and appreciated; that, in fact, it was an international Journal.

We know little of the character of the season in the United States, but hope it was favorable. We were fortunate enough to meet "Papa Josselyn" at the South Station in Boston, the day after landing but could gain no information on this line from him as he had been too busy fishing to notice such every day matters! Even then he was hurrying Cape Cod way with a sheaf of fishing rods on his shoulder and a sporty look in his eye, to make a raid on deep sea denizens.

Well, here's hoping that the season has been propitious, the collections good and the outlook promising.

BOXES VERSUS BARRELS.

The interest in the box package seems to be increasing. There is no question at all about the stability of the barrel as a standard package for the staple varieties. Neither is there any question about the increasing popularity of the box as a package for high grade kinds. Not long ago we visited a fruit grower in the Lake Champlain Valley, and found him packing his highly colored, even sized, and altogether beautiful fameuse apples in boxes. A little later we found a shipper of Newtown pippins in the Hudson region doing the same thing. But go into Western New York, and the box package is the exception, the barrel is the rule; for here the standards, like Baldwin, Greening, Twenty Ounce and Roxbury, prevail. Some time ago we were in the Ozarks of Arkansas, and there found one of the large growers packing his Ingram and Huntsman in the approved box package. These apples would probably find their way into the St. Louis and Kansas City markets. In the same geological area, but farther north in the Missouri Ozarks we found the barrel the favorite package for the Ben Davis, and its near kinsman, the Gano.

This differentiation of package based on intrinsic quality of the fruit seems to be just. Varieties of medium quality produced in great quantity are destined to be handled in the

larger package, unless it be that some progressive grower should make a gilt edge grade of mediocre sorts for the purpose of tempting the better class of trade. In British Columbia last season Lord Aberdeen, former governor-general of Canada, had packed on his estate at Vernon, 40,000 cases of apples. These apples went as far as Hong Kong and even Sidney, Australia, and arrived in very good condition. The bulk, however, is distributed among the mining camps of northern British Columbia and Alaska. While considerable prejudice on the part of the commission men exists against the box package for the apple, it is bound to come, and the sooner we accept the situation, the greater profit in our opinion will accrue to the grower.

FRUIT AT THE NEW YORK STATE FAIR. It is very gratifying to the observant visitor at the State Fair to find that this fruit exhibition is improving each year. This season under the superintendence of Prof. C. S. Wilson of the Department of Horticulture at Cornell University, the display has been exceedingly interesting and instructive. The two societies of New York State, the Western New York Horticultural Society and the State Fruit Growers' Association were again keen competitors. It was quite impossible for anyone to form an opinion as to the relative standing of the two exhibits without adopting some system of scoring them. In other words, an examination, however, careful which was made without a definite method of obtaining the good and weak points of each exhibit, would fail to give the examiner any accurate idea of the standing of the two great displays. The Fruit Growers' exhibit was specially strong in apples. The collection was large and the specimens were particularly fine. The Western New York Society was strong in variety of fruit and prominent in grapes and plums. The fruit was judged very carefully and conscientiously, by Mr. W. T. Macoun, Horticulturist of the Central Experimental Farm, Ottawa, Canada. Mr. Macoun is primarily an apple specialist and as this fruit was the predominating class of the two exhibits, his selection as a judge was very appropriate. The New York State Society won.

Among interesting individual exhibits were those shown by Grant Hitchings exhibiting the results of sod culture. Mr. Hitchings is always able to show fruit with marvellously high color. There was also an exhibit of apples grown upon Doucin stock by Director L. H. Bailey of the College of Agriculture. This included fine specimens of Baldwins, Twenty Ounce and a number of the European Reinette.

Mr. Wilson was assisted in the Horticultural Hall by Mr. Frank Rupert of Rupert & Sons, Seneca Castle and by several senior class and graduate students of the College of Agriculture. The New York State Fruit Growers' exhibit was in charge of Mr. H. L. Brown and the Western New York Horticultural Society's exhibit was in charge of the efficient secretary of that organization, Mr. John Hall.

Mr. Wm. Pitkin of Chase Brothers, Rochester, Commissioner for the Department of Fruits at the State Fair, who was busily engaged the entire week at the Fair was responsible for much of the satisfaction among exhibitors and the good order which prevailed in the Hall during the Fair Week.

THE DROUGHT.

Almost the whole of New England, New York and contiguous parts of Canada suffer from lack of rainfall in these latter days of September. The drought is not unparalleled but it is very severe. Of course a drought in the early autumn is not nearly so disastrous as one in early summer, yet it gives rise to conditions that may become exceedingly grave. The dairyman is seriously injured. The nurserymen especially in heavy soil districts is absolutely held up in his digging operations, while all interests are affected to a greater or lesser extent by diminished water supply.

In the present instance our forest lands have suffered to an extent that dwellers in cities do not appreciate. Thousands of acres of forested land have been denuded, hundreds of settlers' homes have been burned, as an indirect result of the rainless period.

The greatest destruction in forested areas has occurred in the North West but the loss in the east has been very considerable. Wherever forest lands exist there is danger. This danger is vastly increased when the tracts are traversed by railroads and invaded by careless hunters.

Climatic conditions cannot be overcome but must be met. Not until our public forest tracts are placed under a systematized and properly supported forest service will the great danger of destruction by fire be to any extent mitigated. In Germany, the Government forests are clean. Debris and weed under brush are cleared away by the rangers. The kindling wood for the carelessly dropped match or the spark from the passing train is not at hand and fires are avoided. We may not have reached the period when forest management can be thus intensified, but the day is surely coming when the problem will be thrust upon us whether we are ready to solve it or not. What a commentary on public service conditions, when we find navigation on inland streams and lakes arrested or impeded by the dense fall of smoke from the adjacent forest fires!

Many nurserymen are undoubtedly waiting with all the patience they can muster for the arrival of rain to soften the ground for digging operations. Let us hope that before the above appears in print, the situation has been relieved.

Later: The welcome rain has come.

FOSTER & GRIFFITH EXTEND THEIR LAND HOLDINGS.

One of the largest farm property sales made in this section in some years was closed in this city Wednesday, when the William H. Cooper farm of two hundred acres of the finest agricultural land in this vicinity, located on Walter Street, just west of Laona, was sold to the nursery firm of Foster & Griffith of Fredonia. The consideration is private but the character of the farm and its location indicate that, no small price could handle the deal.

Foster & Griffith will occupy the place at an early date, and will use it for nursery purposes to take care of the growing grape and general nursery business of the firm. The land is very level, has been well farmed and taken care of for years, and has the reputation of producing as fine crops as any piece in the section where it lies, one of the very best in the whole grape belt.—*Grape Belt*.

HINTS ON PLANTING ROSES.

The conditions necessary to have good roses and plenty of blooms in the right season, are proper varieties, rich soil, moisture and clean culture.

The varieties best adapted for out-door culture in the northeast are the ramblers and the hybrid perpetuals. Among the ramblers the varieties especially to be recommended are Dorothy Perkins and Crimson Rambler. Among the hybrid perpetuals we mention as especially valuable Madame Plantier, Marshall P. Wilder, Margaret Dickson, Magna Charta, Madame Gabriel Luizet, Clio, General Jacqueminot, Caprice, Coquette des Blanchés, Paul Neyron and Prince Camille de Rohan. These are all hardy out-door roses in New York State, if partially covered in winter.

The best time to set roses is in early spring, but they can be set in autumn, if well covered. We prefer to get strong, well rooted two years old plants, on their own roots, if possible. We have no use for the small weak job lots of rose plants that are offered by the 5 and 10 cent stores in the great cities. These are the culled-out plants of the great rose nurseries, who gladly sell them to the department stores for a song, if they take the entire surplus. These strong two-year plants should be cut back quite close to the main stem, say, two-thirds of the young green wood that grew the year before. They should then be set in the soil which has been previously well enriched with manure about an inch deeper than they grew in the nursery. They may be set in rows about three or four feet apart and, the plants should be about two feet apart in the row, if we desire to grow them on the nursery plan.

After the plants are set, they should be well cultivated along with the other garden crops near them and hoed as often as it is necessary to keep the land in good condition and the weeds from growing about them. Some of the plants will bear roses the first year. These should be cut when they open nicely, for if allowed to remain too long and to drop their petals, it tends to exhaust the plant. The ramblers can be trained over porches or unsightly objects, or they can be kept close pruned like other roses. In the latter form they are fully as effective as when allowed to have full sweep. High-grade commercial fertilizers, rich in nitrogen to induce a healthy, vigorous growth and also in potash and phosphoric acid to induce the production of a large crop of bloom may be used. We use a grade analyzing four per cent. ammonia, 10 per cent. potash and 10 per cent. phosphoric acid. At each application we put on a good sized spoonful to each plant, spreading it well about the roots, say a foot each way from the main stem, digging it into the soil with the hoe. Dressings or mulchings of well rotted manure or leaf mold are excellent.

The hybrid perpetuals will bloom in June and first part of July and a few blooms will be produced in late fall.

The rose slug is very destructive to the plants by devouring the leaves just as the plants are coming into blossom. If left to itself, the crop of roses will be a failure. The slug and the plant lice are best kept in check by using soap suds from the wash tub, or by an application of kerosene emulsion. One must try to get this on the under side of the leaves, as much as possible in order to catch all the slugs. For this purpose the autospray pump is very convenient and does the work most effectively.

Roses should be protected in some way in order to endure the hard winters of New York State. One plan is to heap earth about the stems, another is to wind them with straw. We have had very good results by standing empty boxes or barrels over them. A long tree box will often cover several plants, if they are in a continuous row. Climbers should be taken from their perches and lain gently down and held in place with stones or earth and well covered with leaves, straw and earth, not too deeply, but just so as to hide them from the sun and sudden changes of winter and spring. Roses must be uncovered before they start in spring, or the blossom buds will slough off and there will be no blooms. There is some work and care necessary to produce nice roses, but they are the finest of all flowers and well worth the effort.

L. J. FARMER,

Pulaski, N. Y.

Note and Comment.

STERILIZING TANK FOR SOIL.

The Iowa Experiment Station has reported the cost and specifications of a sterilizing tank for the purpose of sterilizing greenhouse soils, as follows:

2 3/4 barrels cement	\$4.95
2 1/4 yards gravel .....	.55
Four 16-foot planks	3.85
23 feet 46-inch woven wire fencing .....	.65
135 feet 1 1/2-inch wrought iron pipe	14.85
Three feet 2-inch wrought iron pipe .....	.60
Six, 1 1/2-inch tee connections .....	.66
Two, 1 1/2-inch tee connections .....	.22
One, 1 1/2-inch tee connections .....	.22
17, 1 1/2-inch plugs .....	.85
Nine, 2-inch caps .....	.90
	<hr/>
	\$28.30

The figures are for a tank 14x4x4 feet.

The Nematode Worm is an insect which is exceedingly injurious to various types of crops in the South. It attacks cow peas, field-grown tomatoes and occasionally fruit stocks. In the North, however, it is only destructive to greenhouse crops. In such cases, soil sterilization is not only possible but very feasible, and the tank described by Prof. A. T. Erwin is an efficient means of ridding the soil of these very undesirable tenants.

APPLE SHIPPERS WARNED.

Albany, N. Y., Sept. 8.

The State Department of Agriculture has sent out a circular calling attention to the law relating to the requirements as to the dimensions of barrels used in the sale of apples, pears or quinces. These requirements are as follows:

Head diameter, 17 1/8 inches; length of stave, 28 1/2 inches; bulge not less than 64 inches, outside measurement, but if the barrel be made straight these dimensions must be altered as may be necessary to still provide the same capacity.

Any person who makes or causes to be made barrels for use in the purchase or sale of apples, pears or quinces, or any person who packs apples, pears or quinces in barrels for sale, or sells apples, pears or quinces in barrels which contain a less quantity than the barrel above described, shall brand said barrels upon each end and upon the outside conspicuously in letters 1 1/2 inches in length with the words "short barrel."

Section 37 of the agricultural law provides: Every person violating any of the provisions of the agricultural law shall forfeit to the people of the State of New York the sum of not less than \$50 nor more than \$100 for the first violation, and not less than \$100 nor more than \$200 for the second and each subsequent violation.

FIRMS INCORPORATED.

Castle Haynes, N. C.—The Horticultural Company; capital \$25,000; subscribed by Andrian Van Lauwen, H. H. Dewildt, and others.

Rochester, N. Y.—The Co-operative Nurseries' Company; capital \$25,000; directors, James A. Ryan, Jacob G. Feist, and John E. Kaveney.

Tippecanoe City, Ohio.—Farmers' Nursery Co.; capital increased from \$20,000 to \$200,000; T. J. Dinsmore, president; S. R. Fergus, secretary.

Portland, Ore.—Riverside Orchards' Co. Capital stock \$40,000. Incorporators; Fred A. Jacobs, L. J. Barber and Harry M. Hillis.

Spokane, Wash.—Spokane Floral Association; capital stock \$10,000. Incorporators: Mrs. J. W. Gilson, Miss Frances Burchett, Mrs. E. Axelson, Mrs. Josephine Blinkeroff, Mrs. Hary A. Hutton.

THE NURSERY BUSINESS IN CALIFORNIA: ITS PRESENT NEEDS AND FUTURE POSSIBILITIES.

LEONARD COATES.

Before the Pacific Coast Nurserymen's Association.

In speaking briefly on this subject, I am strongly tempted to indulge in retrospection, for, while the "present needs" is a difficult phase to treat of, and one on which there would be many opinions, the "future possibilities," while almost limitless, are also largely imaginary. It becomes almost necessary, in fact, to allude to the past, that a more comprehensive view of the whole may be obtained. By this I do not mean to inflict upon the members of the Association a sketch of the early nursery ventures in California, although I have abundant data therefor, having had occasion, some years ago, to search all known records. These data now, in view of the destruction of the San Francisco libraries by fire, have an added value.

All of the earliest nurseries were located near the Bay of San Francisco, or its branches, or along river banks close to tide water. It did not seem possible that elsewhere trees or plants could be grown, in a climate where no rain fell for six months at a time. Perhaps I may select four names as typical of our California pioneer nurserymen, without detracting from the honored memory of others equally deserving. B. S. Fox, John Lewelling, James Shinn, John Rock. The work of these men lives on, and, as an instance of their enterprise it is worthy of mention that in 1859, B. S. Fox had in his nursery in Santa Clara County, 263 varieties of apple, 324 varieties of pear, 89 of peach, 71 of cherry, 56 of plum, 14 nectarine, 18 of apricot, 21 of currant, 86 of gooseberry; 12 of raspberry, 122 of foreign grapes, 21 of figs, etc., etc. In 1858, W. C. Walker of San Francisco exhibited 264 varieties of ornamental plants in pots, and about the same time, A. B. Smith of Smith's gardens, Sacramento, was propagating fruit trees on a large scale, and also demonstrating the profit in growing fruit in those days, the crop from two of his peach trees netting him in one year \$326.50.

It is well to "look backwards," occasionally; our own achievements are sometimes dwarfed by comparison with those of others who have preceded us, and whose work has been accomplished under so much greater difficulty. These early pioneers in the nursery business in California attained success without the aid of railroads or any regular hired labor. California was then a wilderness, being gradually peopled by adventurers drawn here by the gold excitement of '49 and '50.

We have learned—or might have learned—many lessons from the experience of the pioneers, but still we know but little.

PRESENT NEEDS.

The nursery business in California needs, first, and more than anything else, just such men as those I have named. We want, not only men who are skilled horticulturists, but shrewd men of business, who ought to be able to see something of what the future has in store. Compared with nurseries in the Western, Southwestern, and Eastern States, our largest concerns here are but pygmies. It may be said that demand alone will create the supply. In a sense this is true, but supply also, and the natural accompanying advertising, creates demand. There are many ways by which the nursery business in California might be augmented. Why is it that Eastern firms can do such an enormous mail order trade, and we cannot do it here? We grow the seeds here, wholesale them East, and let the California public buy them of the Eastern houses to plant near where they were grown. The retail market of the United States is ours, or a good share of it, for seeds, and also, in time, for bulbs. These latter are being grown successfully, and it only requires a knowledge of the necessary conditions, and an application of that knowledge, to insure success with all branches of commercial bulb culture in California.

Must we "look backward" again, some fifty years, to be reminded of the "incredible anomalies" of the California climate? In 1857, Dr. Horace Bushnell in the *New Englander* said, "Whoever wishes, for health's sake, or for any other reason, to change the scenery or the objects and associations of his life, should set off, not for Europe, but for California. * * * It cannot be said of California, as of New England, or of the Middle states, that it has a climate. On the contrary it has a great multitude of them, curiously

pitched together, at short distances, one from another, defying, too, not seldom, our most accepted notions of the effects of latitude and altitude and the defenses of mountain ranges. * * * All the varieties of climate, distinct as they become, are made by variations wrought in the rates of motion, the courses, the temperature, and the dryness of a single wind; namely, the trade wind of the summer months, which flows directly inward all the time, only with much greater power during that part of the day when the rarefaction of the great central valley comes to its aid, that is from ten o'clock in the morning till the setting of the sun. * * * When this is fully comprehended, the California climate, or climates, will be understood with general accuracy. We now return to the middle strip of the great valley, when the engine, or rather boiler power, that operates the coast wind in a great part of its velocity, is located. Here the heat, reverberated as in a forge or oven, whence *California* (*Caleo and fornian*) becomes, even in the early spring, so much raised that the ground is no longer able, by the remaining cold there is in it, to condense the clouds, and rain ceases. * * * So, crossing the Sonoma Valley, he would come out into it from the west, through a cold, windy gorge, to find orange trees growing in General Vallejo's garden, close under the eastern valley wall, as finely as in Cuba. In multitudes of places, too, on the eastern slopes of the mountains, he will notice that the trees, which have all their growth in the coast-wind season, have their tops thrown over like cocks tails turned away from the wind. This cold, trade wind, being once lifted or drawn over the sea wall mountains, and being specifically heavier than the atmosphere into which it is going, no sooner reaches the summit than it pitches down as a cold cataract, with the uniformly accelerated motion of falling bodies. * * * The winter climate is the trade wind reversed.

These "climates" of California constitute our most valuable asset. It is because of this that it is no idle statement that no where else in the world, in the same area, can be successfully grown so great a variety of crops as in the State of California.

Many carloads of trees are shipped into California, but when did we hear of a carload being shipped out of the state? "California" is the name which sells fruits all over the length and breadth of the land; why is it not likely that the thousands of planters would like California grown trees if they could get them? New Jersey and New York nurserymen grow hundreds of thousands of roses annually in California for their Eastern trade, because in eight months they can get a better plant than they can there in two years. For more than half a century seed and bulb collectors from Europe and the Eastern States have been searching California for new species, and supplying nursery firms and seedsmen all over the world. Why cannot these native seeds and bulbs be catalogued and advertised extensively in the United States and abroad in order to work up a direct trade with the planter? Or, why cannot these native plants, shrubs, and trees be grown extensively for retailing outside of our state. You will, today, find in the parks and private grounds of people of refinement in Europe more specimens and a larger variety of California trees and shrubs than can be found at home.

WE NEED A MORE FRATERNAL SPIRIT.

and the calling of this meeting of the Pacific Coast Nurserymen's Association is, I hope, a means to this end. Not only is there ample room for all now engaged in the business, but room for many more, of the right kind. We must sink all petty jealousies and suspicions, let our views be broadened, and let us be ready to "live and let live." There are many other "present needs," general and local. Of the latter, a wholesale nursery for the growing of apple, pear, cherry, and plum seedlings is badly wanted; we are still in that extravagant, spend-thrift stage when we continue to send money away for what we can produce at home.

I would prefer to deal with hard facts rather than to plunge into the realm of prophesy and let the imagination run riot in an attempt to portray the "future possibilities" of the Nursery business in California.

And yet they have already been hinted. Give us more men of enterprise and horticultural ability, give us better transportation facilities, give us a Parcels Post, and there is practically no limit to the growth of the nursery business in California.

Personal and General.

Mr. W. P. Stark of Stark Brothers Nurseries and Orchards Company, has recently concluded a six weeks trip through the orchard regions of the Rocky Mountains and the Pacific Coast. He has lately returned to the headquarters of the company at Louisiana, Mo. We shall have his impressions of the country visited in our next issue.

DESTRUCTIVE FLOODS ON THE FLORIDA COAST.

The heavy rains of late August and early September brought a good deal of damage to the Atlantic region of Florida. A letter from Mr. R. C. Berckmans says:

"This section was visited by a most disastrous flood the latter part of August and this record surpasses all others. We were individually fortunate in escaping, for as you know we are situated something over 200 feet above high water mark. We were only inconvenienced by being cut off from the city for a few days, but the damage done in Augusta and vicinity was tremendous. The city is now exerting every means to overcome the damage, and in the course of the next few months we hope there will be no vestige of the destruction perceptible. It is estimated that the damage done in the city of Augusta is something over \$2,000,000 and a great number of lives lost.

We hope to have the pleasure of seeing you down this way during the winter and if so you will wonder that we ever had a flood as things will be in better shape than before. Prospects for business are unusually good and orders are being booked daily."

IMPORTER'S NOTES.

We are glad to learn that a general feeling of confidence prevails among the nurserymen of the United States in regard to the business for fall and winter. Purchasers are conservative in giving orders for imported stock but the general tone is optimistic.

APPLE STOCKS.

While french apple stocks were reported very short during the fore part of the season there now appears to be enough to go round. The aggregate will probably be twenty per cent. less than last year.

ORNAMENTALS.

The season now closing has been very favorable for the growth of ornamental stock in the great producing countries of Holland and Belgium and the trade in these lines promises to be fully up to that of previous years.

ORLANDO HARRISON ABROAD.

Orlando Harrison of the firm of J. G. Harrison & Sons, Berlin, Md., has been in Europe for some weeks. Mr. Harrison visited French, Holland and Belgian nurserymen in the interests of his firm. We shall urge him to give notes and observations.

PRESIDENT BROWN IN EUROPE.

President C. J. Brown accompanied by Mr. Webb sailed for England and the continent about the middle of August and returned about the 20th of September.

Clarence Weeks of Lyons, New York, called on nurserymen of Rochester the first part of September, also at the office of the NATIONAL NURSERYMAN.

John McGuire has started for himself in the nursery business at Ontario, Calif.

Just a word from Chase Nursery Company, Huntsville, Ala.: The new addition to our brick storage house at Chase Station, just finished, gives us one of the finest nursery warehouses in the world. This warehouse has side tracks from two lines of railway and is so situated that both freight and express shipments are loaded direct to the car.

ANNOUNCEMENT.

The Knox Nurseries, H. M. Simpson & Sons, Vincennes, Indiana, since issuing their last price-list have entered the wholesale business exclusively, and will sell only what they grow. This will enable them to give a uniform trade of stock, and also to handle rush orders promptly. They wish to thank all their old customers for their patronage, and hope to make many new friends.

What is worth doing at all is worth doing well and what is worth doing well is worth doing at once so that you may have an early start to do something else better.

AUGUSTA, GA.—In the severe storm and consequent flood which overtook this city lasting from Wednesday, August 26 to Friday, August 28, Balk's Nursery, which fortunately is more favorably situated than some others, suffered correspondingly less and was ready for business on Saturday morning, August 29.

Stulbs Nursery was the hardest hit, water running through the establishment from four to six feet in depth; the loss is mainly from mud; the greenhouses were not injured. No considerable loss or damage were sustained by greenhouses, but individual losses will amount to from \$200 to perhaps more, due to loss of plants that were covered with mud and possibly later damping out. The process of drying is taking place very slowly. We are glad to learn that the damage has been rapidly repaired. EDITOR.

The Clinton Falls Nursery Co., Owatonna, Minn., will go into the seed business for next season.

The farmers of Ivoryton, Conn., who have neglected to destroy the wild carrots on their land have been served with a warning by the grand jurors that the law will be enforced. A fine of \$5 may be collected for each additional day after the notice has been served.

So intense was the late July heat in the Washtucna district, Wash., that farmers could work only part time in harvest fields, and several horses died in harness. The mercury reached 107° several times.

Farmers' Nursery Co., Tippecanoe, O.; President, T. J. Dinsmore, secretary, S. R. Fergus; capital increased to \$200,000. Incorporated.

J. A. Van Kirk intends to start a nursery for citrus fruit trees on the land he has recently acquired at Phoenix, Ariz.

Co-operative Nurseries, Rochester, N. Y., J. A. Ryan, J. C. Feist, J. E. Kaveny; capital, \$25,000. Incorporated.

VAUGHAN'S SEED STORE received at Chicago and New York, September 3, its first small consignments of Japanese lilies. The bulbs look much better than those of recent years. Eight carloads of European bulbs were received at the Chicago house September 8, taxing the firm's storing facilities to the utmost. This is probably the largest single shipment of bulbs ever made to one house in this country.

RIVERSIDE, Calif.—The Jurupa nurseries have been purchased by the Orange County Nursery and Land Co., which firm proposes to conduct the establishment on a larger scale than it has been conducted before. C. E. Watkins, an experienced man in the business, will be placed in charge here.

The breaking of the drought by refreshing rains, during the last week of September, brought relief to many dry and burning regions.

Mr. Irving Rouse of Rochester, N. Y., chairman of the Tariff committee, held a meeting at his home Sept. 25th.

Fruit and Plant Notes.

STRAWBERRIES FROM SEED.

One of the latest stunts in the introduction of new plants is the offering of strawberry seed, with the assurance that this seed will produce true to variety. The variety in question is introduced under the name of the Blizzard King. At the same time we are told that it comes from France. The fact that it is sent out from vine and olive growing France, is in our opinion, a poor recommendation for hardiness, and the statement that it is a hybrid and yet will come true from seed, is far fetched to say the least, and to anyone who cares to consider the matter, a very dubious reference. It is a pity that statements of this kind should creep into reputable nursery catalogues for they only have the effect of depreciating the value of nursery literature.

HYBRID PLUMS.

Dr. Van Fleet of the Rural New Yorker Test Grounds is authority for the statement that "None of the Burbank hybrids showing the influence of *Prunus Simoni*, such as Climax, Chalco, Maynard and Wickson, appear to be worth planting in this locality." The trees are said to lack in vitality and the fruit, though handsome in appearance, and moderately good in quality, is subject to fruit rot and other fungous troubles. This statement refers to the lower Hudson River region. We can hardly agree with Dr. Van Fleet's statement that Abundance is of superb quality when properly grown, but are quite in accord with him when he states that the tree is weak and very susceptible to rot. It seems undoubtedly true that the greatest value of these plums will be developed when grown in the Pacific Coast region. Wickson is appreciated in certain parts of California, but we fear that many orchardists who have planted it extensively in New England or New York, will regret the venture before many years.

THE AVOCADO PEAR.

This tropical fruit, often called the Alligator Pear, more commonly known by this name in the South than in the North, is finding its way into the Northern and Eastern markets. We confidently look forward to the time when it will be available in season to those who can afford to buy it, in all markets from Richmond to New York. The taste is not an acquired one. Most people like it on first introduction. One of the causes of its slow introduction is the difficulty of propagating it, but this is now being overcome and we predict that orchardists who have developed plantations of this variety will in the near future be reaping a comfortable profit.

KIEFFER PEAR IN NEW ENGLAND.

It appears now as though growers of Kieffer pears must look for a foreign outlet for this variety. There is no doubt that it has worn out its welcome in most markets in the United States, but we were assured recently by prominent buyers at Covent Garden, London, that the Kieffer was one of the most satisfactory varieties which they sold. This was probably accounted for by the fact that it handles so well.

THE APPLE OUTLOOK.

It seems probable that buyers will hold off rather cautiously this fall with the remembrance of last year's disasters still in mind. A few orchards have already been bought in Western New York, but the mass of buyers have not yet canvassed the situation. The man who has a reputation for good fruit is the man who will first be visited. The mediocre cultivator must trail along behind. Undoubtedly buyers will be more conservative than last year, and one can hardly blame them if he knows anything of the sad experience which visited many of them during the winter and spring. When in Covent Garden, London, some time ago, we saw Western apples selling for less than the figure paid for them F. O. B. Oregon nearly a year before. This meant a loss of approximately two dollars a box to the men who handled them in the meantime. At this writing the foreign outlook is not promising.

OREGON APPLES.

The Hood River men are actively and busily engaged in advertising the red apples of that region. It is reported that the output of the Hood River section will amount to about 250 cars. This of course, is a very rough estimate and probably stretches the yield 15 per cent. or 20 per cent. These men are good growers as well as good advertisers and they deserve all the good fortune which has come or is likely to befall them.

FOREIGN APPLE MARKETS.

ENGLISH CROP VERY LARGE AND GOOD—VERY MODERATE PRICES LIKELY TO RULE THIS SEASON.

All advices from my English and continental correspondents in regard to the apple outlook in Europe this season, are of the same tenor, and that is, the crops of Europe are likely to be very large and fine, so that the outlook for American and Canadian apples is not as bright as one could wish. Of course English apples are all of a dull color and they must have a considerable quantity for table use of the red varieties, which this country and Canada can give them.

All know what a disastrous season last year was to speculators and shippers of apples and it is to be hoped this year buyers will be more conservative and I think the tendency will be to ship only the finest fruit. The result of last year's shipments proved to a certainty that if just half of the apples that were barreled and shipped had been thrown away the other half would have brought more money than the whole crop did. There has got to be a higher standard of grading than heretofore to make the business of exporting profitable. The standards in most sections of New England, last year, were very low, and in many cases the ones and twos were packed together. This I think will be generally discontinued for the experience last year is too fresh in the minds of exporters to repeat it this year in the face of such a large crop as England has.

Some shipments from this side have already gone forward, of the fall varieties, but being packed in barrels the bulk arrived out in bad order. It is too risky to pack fall fruit in barrels but some apples, such as Gravenstein, Alexander, Duchess and kindred varieties, can be shipped in safety in the half barrel case that I have advocated for years. All the fruit I have shipped for growers in this kind of a case has always arrived out in good order, and when highly graded brought nearly as much as fine fruit in barrels. Some shipments were made last season in the bushel box, but the freight and charges were about as much as for the half barrel case I allude to.

I feel quite confident, this case, which holds just half a barrel quantity of fruit, will become the popular package for apples, especially for exporting. Its having two compartments and thoroughly ventilated insures the safety of fruit while in transit and for keeping a long time, has no rival. I have kept such varieties as Fameuse (Snows), Wealthy and Duchess for 13 months, and in perfect condition.

GEO. A. COCHRANE, Boston.

A "TRAINING" LETTER TO A NURSERY AGENT.

To Nurserymen:—If there are any "pointers" for you in the following I will be glad of it, for my belief is that Nurserymen do not train their agents sufficiently.

The beginner should have a series of personal training letters so as to help him to properly present the merits of his goods. If the beginners are allowed to "go it, sink or swim," a large percentage never do business.

Getting the start is more than half the battle.

IRVING E. SPAULDING, Sales Mgr.,
Alpha Publishing Co.,
Ferguson Bldg., Springfield, Ill.

Dear Mr. Lucas:—

Rather recently we talked to a lady who is a great lover of the beautiful in everything and with a particular love for trees and plants, their flowers, foliage and fruits. She was speaking of the possibilities of beauty in the home-lawn of the poorest man as well as the richest and she laid largely the blame of the lack of adornment with shrubbery, vines, etc., to the nursery agent.

TO QUOTE HER OWN WORDS

"Some agents do not show sufficient interest in their own work to interest the persons to whom they are talking, and do not post themselves enough about the good points of their own stock and varieties to intelligently direct the prospective buyer as to what she or he really ought to have."

"Agents have often shown me their book and everything in them looked so lovely that I wanted everything I saw pictured, but so long as I could not have and could not afford to buy everything and the agent could not tell just what was best suited to my particular place nor what had not been most tried and tested, I would not order anything at all, whereas, if he had only been able to tell me what vines he knew were especially adapted to my porch or house and to cover up unsightly places about my yard, and what shrubs were known to be particularly satisfactory and what trees would be suited to my lawn, I would gladly have given a good order.

"I never like an agent to act as if I were compelled to buy whether I want to or not, or who gets angry or impudent when I don't care to. It invariably antagonizes me and I often will not purchase simply because the man is discourteous, when I really would like to have the goods. On the other hand if he greets me pleasantly, says that he has some lovely specimens in the plant and tree line and that he would like to show me even if I don't care to buy, looks around the place to see what he would recommend for it, and is truly interested in what he is selling for the sake of the beauty in it and really seems to care for what I could do to improve the place, it is a pleasure to buy from him, and I have no desire to do anything but buy everything that I possibly can afford. I hope you will tell your salesmen what I have said."

THIS WE HAVE DONE

Trying to repeat her words exactly—for in them we see a lot of "pointers" of which we know you can make good use. It is always better for a salesman to be able to see things from the purchaser's point of view rather than from his own. It will be wise for you to look around the buyer's yard, recommending suitable vines to cover up the porches and fences, hedges to entirely do away with fences, vines to cover the house itself and to cover the barns and old out-houses, trees and shrubs to shut off and hide unsightly views, shrubs and hardy plants blooming at different times of the year—so that flower-loving women and children may have blossoms at all times, and enough fruit trees, even if there is room for only a few in the back yard, to furnish the family with fresh fruit during the entire summer and some to can for winter. While for the front yard recommend ornamental trees to make the place look cool and inviting in summer and also attractive in winter.

STUDY THESE THINGS

And grow an interest in their beauty, and you will be astonished at how much more profit as well as pleasure you will derive from it. Have you studied carefully "What constitutes judicious planting,"

(see on 2d page in your plate-book)? Have you read how to "Provide for succession of fruit" (see next to last page in your plate-book)? Appropriate such "talking points" when you are soliciting orders.

NOW IS A FINE TIME

To sell for next year's growth—now when everybody is more or less flower hungry and fruit hungry, and you will notice if you will only stop to think, how every place you pass can be improved by the addition of the splendid things in your book of plates. The smallest home should have a vine or two on the house and an attractive yard and garden, for in buying nursery stock a very little money goes a great way in improvement, adornment, comfort, and in the enhancement of value.

Following are a few of the things considered as among the very best for special purposes and we know (from experience on our own grounds) to be more than satisfactory.

FOR HEDGES AND SCREENS

California Privet, Barberry, Japan Quince, Norway Spruce, American Arborvitæ. (See plate-book.)

VINES AND CLIMBING ROSES

To cover porches and unsightly places, Crimson Rambler rose, Clematis Paniculata, Wisteria, the Boston Ivy or Ampelopsis Veitchii, which clings close to stone, brick or wood walls and it requires no care to train.

TO HIDE UNSIGHTLY SPOTS IN YARD AND TO BEAUTIFY

Syringas, Spireas, Altheas, Lilacs, Hydrangeas, Weigela, Golden Glow, Rose bushes, also Climbing Roses, Crimson Ramblers, Tree Roses, Dwarf Perpetual Baby Rambler Rose, also Rugosa Rosa. For covering banks and bare spots where grass does not grow readily—use the trailing Wichuriana or Memorial Rose. (See plate-book.)

RAPID GROWING SHADE TREES

Silver-leaf Maple, Carolina Poplars, American Elm, Box Elders and Oriental Plane. (See plate-book.)

RARE ORNAMENTAL TREES

European White Cut-leaf Weeping Birch, Teas Weeping Mulberry, Horse Chestnut, Cut-leaf Maple, Magnolias, Tree Roses, Tree Hydrangeas, Bechtel's Double Flowering Crab and Colorado Blue Spruce.

QUICK BEARING

Our grape Collection—the Berries in great varieties as shown in our plate-book, and Mulberries, Peaches, Plums, Cherries, Pears, Asparagus and Rhubarb, and English Walnuts.

Everything in your plate-book is beautiful! The best of everything! No home should be without the things recommended at the bottom of page 2 in your plate-book, and select your "leaders" from the above familiarizing yourself thoroughly with such "leaders" as you select.

Your co-worker, with best wishes,
IRVING E. SPAULDING, Sales Mgr.

THE SEED TRADE.

Conrad Appel, Darmstadt, Germany, has just issued his report on the crop of grass, clover and agricultural seeds generally, for the season of 1908. The crop of grass seed on the whole seems to be somewhat smaller than last year and the prices will probably range a trifle higher. Low temperatures and limited sunshine in June and July prevented the ripening of seed. The crop of clover seed of Red, White and Alsac and Crimson varieties, appears to be larger than usual and prices are likely to range from medium to low. Alfalfa seed is somewhat below the average in quantity.

P. J. Berckmans Company, Inc., are enlarging their landscape department and are now prepared to execute promptly all orders without reference to size or location.

SCALECIDE.

The B. G. Pratt Company, 50 Church Street, New York, are emphasizing in a neat little circular the advantages of fall spraying with scalecide. There is no doubt that Messrs. Pratt & Company with this convenient wash are doing much towards encouraging fruit growers to fight the San Jose scale. Convenience and efficiency are equally important factors in the introduction and use of any insecticide.

Mr. S. R. Fergus, of the Farmers Nursery Company, Troy, Ohio, after visiting nurserymen at Geneva and Dansville, called at the office of the NATIONAL NURSERYMAN. On his return homeward he will stop at Painesville, and other nursery points.

Fall business with us is good. Prices are better than they have been for several years. Stock of apple scarce.

JOHN A. CANNEDY NURSERY & ORCHARD Co.,
Carrollton, Ill.

STARK BRO'S NURSERIES & ORCHARDS CO

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

ESTABLISHED 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel; prevents all twist and spring.

A boy can pull trees loosened by the adjustable lifter.



Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

Write for Descriptive Circular and Prices

Gen'l Offices, Nurseries, Packing Houses
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.
Fayetteville, Ark. Portland & Dansville, N. Y.

Storage Capacity 1,000 Car Loads

A GENERAL LINE of NURSERY STOCK

NOTES.

Miss M. M. Dawson, proprietress of the Eastern Nurseries, Jamaica Plains, Mass., was married September 23rd, to Mr. Harold Hill Blossom.

J. Edwin Hoffmire, of McHutchison & Co., New York, was married to Miss Anna G. Geisler, of Newark, N. J., on September 1st.

The Farmers Nursery Co., of Tippecanoe City, O., having purchased the packing grounds, farm and nursery stock of The George Peters Nursery Company, Troy, O., on September 1st their office and packing sheds were removed to Troy, Ohio, which will be their address and principal place of business in the future. The NATIONAL NURSERYMAN wishes the new company abundant success.

"A business can go without advertising—so can a wagon without greasing; but in both instances it goes hard."

Like tacks we can only progress as far as our heads permit.—Bogology.

WANTED

15,000 CURRANT CUTTINGS in best varieties.
State price and kind.

CANADIAN NURSERY COMPANY

46 University Street, Montreal, P. Q.

Specialties

PEARS, Kieffer—PEACHES, all grades, in large assortment—CHERRY—PLUMS, European and Japan.

EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper
Norway Spruce Pyramidalis
All in large sizes.

BLACK LOCUST
SEEDLINGS

GOLDEN WILLOW
in small sizes

Silver Maple, American Elm, Catalpa,
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

The Farmers Nursery
Company

TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.

Southern Grown SHADE TREES

26 years' experience in producing nursery stock for Southern needs has given Glen Saint Mary Nurseries Company leadership in this field. Over 800 acres of ground and extensive experiment operations. Constant adherence to the watch-word "Trees True to Name" is a cardinal principle.

The Glen St. Mary Nurseries offer specially select stock in Magnolia, Tulip, Camphor and Umbrella trees. Their stock of Figs, Peaches, Pecans and Citrus fruits is extensive and maintains the highest standard.

Amoor River Privet

In large quantity and highest quality. Glen St. Mary Nurseries products are widely known by reason of their superiority and we invite correspondence from nurserymen who are in the market for any of our specialties or standard stock.

Send us a list of your requirements
Prices consistent with quality of Stock

Glen Saint Mary Nurseries Company
Glen Saint Mary, Florida.

G. L. TABER, President and Treasurer
H. HAROLD HUME, Secretary

SIMPSON

is the name of the men who
grow the finest

CHERRY

that can be produced by suitable soil,
climate and expert knowledge.

Take a look at the stock or ask for a
sample and be convinced of the *extra*
quality of their

TREES

H. M. Simpson & Sons,
Vincennes, Indiana

Small Fruit Plants

For the Nursery Trade

FALL, 1908

500,000 Black and Purple Raspberry Tips



250,000 Gooseberry Layer Plants

CURTANT AND GOOSEBERRY CUTTINGS

Everything in Small Fruit Plants.

Write for prices

P. D. BERRY

R. F. D. No. 3

DAYTON, O.

The

Willis Nurseries

OTTAWA, KANSAS

OFFERS for sale for fall of 1908
and spring of 1909 a choice
general assortment of Fruit and Or-
namental trees, Grape vines, including
100,000 Concord, and other leading
sorts, Shrubs, Hedge, Small fruits
and Forest Seedlings. 20,000 choice
1 yr. Privet. We shall be glad to
make prices to any one needing
goods in our line.

WANTED—20,000 Russian Olives, 8
to 12 in.

A. WILLIS,
Ottawa, Kansas

California Privet

and Asparagus Roots

I HAVE ABOUT 1,300,000 CALIFORNIA PRIVET one and two years old and 300,000 Asparagus Roots to offer for Fall and Spring delivery. I also have a quantity of Cut Leaf Birch 4 to 10 feet, Sugar Maple from 1 1/2 to 2 inch cal. and Hydrangea P. G. from 2 to 3 feet, extra heavy. This stock is grown right and will be graded right.

I trust you will let me quote you on what you need before ordering elsewhere.

C. A. BENNETT

ROBBINSVILLE,

NEW JERSEY

F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For FALL 1908 and SPRING 1909
GRAPE VINES AND CURRANT PLANTS
GRAPE AND CURRANT CUTTINGS
CORRESPONDENCE SOLICITED

SURPLUS CATALPA

5,000 Catalpa Speciosa, 6 to feet 10

5,000 Silver Maple, 6 to 8 feet

30,000 Pear, 1 yr., 3 to 4 feet

Special prices on Carload Lots.

Would exchange for some other stock.

G S PICKETT & SON, Clyde, Ohio

PAN HANDLE NURSERIES,

GREENFIELD, IND..

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.

Please allow us to price your want list.

J. K. HENBY & SON,

Greenfield, Ind.

WOOD LABELS

FOR NURSEYMEN
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.

SOUTH CANAL STREET,

DAYTON, O.

FOR SALE

Reed Tree Stripper and five H.P. Gasoline Traction Engine for same. Outfit has been used only one year and guaranteed right. Two Bragg Tree Diggers, one with extra heavy blade. Will make extremely attractive figures on the above as we have no use for them.

B. F. KEAN, R. F. D., Stanley, N. Y.

Position Wanted

By experienced and reliable man as manager of retail Nursery. Best of references given.

Address "SOUTHERN"

Care "National Nurseryman"

Rochester, N. Y.

When writing to Advertisers mention The National Nurseryman.

Alma Nurseries, Oudenbosch, Holland

Proprietors { U. J. Heerma Van Voss, Czn. | Successors to H. W. Van der
H. A. M. Swellengrebel. | Bom & Co. No connection with
any other firm of similar name.

Large stock of Ornamental Trees and Shrubs,
Conifers, Evergreens, etc.

First-class Stock Only. Prices Reasonable.

Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR., Mt. Vernon, N. Y.

Ask for our General Catalogue and special offer.

B. RUYS

**Royal Moerheim Nurseries
Dedemsvaart, Holland**

LARGEST GROWERS OF

Hardy Perennials

Alpine Plants, Ferns, Ornamental Grasses, Hardy Aquatics, Dwarf Roses, Stocks of Roses, Rhododendrons, Colorado Blue Spruces.

Ready for Fall delivery a large stock of :

Gypsophilla paniculata flore plena.

Tunica sarcifraga flore pleno (new)

Lupenus polyphyllus, Moerheimii.

Campanula pers. Moerheimii.

Incarvillia Grandiflora.

Delphinium, *Phlox*, *Pyrethrum*, *Anemone* and

Papaver orientale in the best varieties.

American Agent :

W. J. RUYS

12 Elmhurst Ave.,

Po'keepsie, N. Y.

Write for Catalogue and special prices.

When writing to Advertisers mention The National Nurseryman.

THE NEW
HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost

J. W. McNARY,
316 W. Fourth Ave., - - Dayton, Ohio.

PEONIES

IRIS and PHLOX

A new catalogue with Cultural Directions and a Surplus List for the trade. **T. C. THURLOW & CO.,** West Newbury, Mass.

PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED, crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,
4th Ave. & Clinton St., BALTIMORE, MD.

ESTABLISHED 1859

PEACH SEED

We are now prepared to furnish the Virginia Natural Peach Seed Crop 1908—These seeds have for ½ a century proven to be the best seed, as we can show from our testimonials from the leading Nurseries of the country.—Get your seed early—as early planting produces the best results.—Later on we will be able to supply Tenn., N. C., and other Southern seed, if to be had. Send for catalog and testimonials.

W. W. WITTMAN & CO.,
117 Hanover St., Baltimore, Md.

P. O. Box "451"—C. & P. Phone—St. Paul "4382."

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens, Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias

Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

PEACH SEED

I still have a few hundred bushels of 1907 crop peach pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc. Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

Roses-Season 1908-9



Fall Price-List now ready.
Own roots, summer grown.
400 sorts, 2½ and 4-inch.



THE **LEEDLE** FLORAL COMPANY®
SPRINGFIELD, OHIO.

R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Fall 1908 and Spring 1909

Peach Trees of all the leading varieties,
California Privet and Grape Vines

Send in your list of wants for Special Prices.

SPRING HILL NURSERIES

Formerly of TADMOR, OHIO, now located at

TIPPECANOE CITY - Miami County, Ohio

A full line of **Nursery Stock** especially

Peach, Kieffer Pear, Japan Plum, Black Locust
Seedling, Silver Maple Seedling, Ornamental

and Shade Trees, Hardy Shrubs,

Perennials, Transplanting Stocks

ALL SUPPLIES NEEDED BY DEALERS

See us for Catalpa Speciosa for year of 1909.

Correspondence and personal inspection solicited.

PETER BOHLENDER & SON

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from buyers of June Budded peach, plum and apricot. We will bud especially to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring delivery. Write for wholesale price list. We have fine well branched stock, grown especially for the Nurserymen's Retail trade, and offer prompt and satisfactory services. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and American Sycamore in surplus, with other ornamental stock. Trade list ready August the first. **VALDESIAN NURSERIES,**

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.

The Winfield Nursery Co.

Of Winfield, Kansas

OFFER YOU FOR FALL 1908

Mahaleb Home Grown

A full line of Forest Seedlings and Shades, including Honey Locust, Black Locust, Soft Maple, Elm, Box Elder, Ash, Speciosa, Catalpa, etc.

2 year Assorted Cherry, best on the market.

Keiffer, Clapp's Favorite and Garden Standard Pear, 1 and 2 year.

500 Choice Bungei Catalpa budded 7 to 9 ft., 1 yr. heads, 1 1/4 to 1 3/4 inch stems.

Apple and Pear Seedlings

The Winfield Nursery Co.
WINFIELD, KANSAS

B. E. Fields & Son

Fremont Nurseries
FREMONT, NEBR.

Offer For
Late Fall Shipment 1908
Spring 1909

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS, also a nice block of NATURAL PLUM. 500,000 GRAPES, CONCORD and CHOICE varieties, in 2 year No. 1 and 1 year No. 1.

ELM and MAPLE

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar, 1 and 2 years. Branched and Whips.

CATALPA and ELM SEEDLINGS

Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

WRITE FOR PRICES

BALTIMORE NURSERIES

Franklin Davis Nursery Company
BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

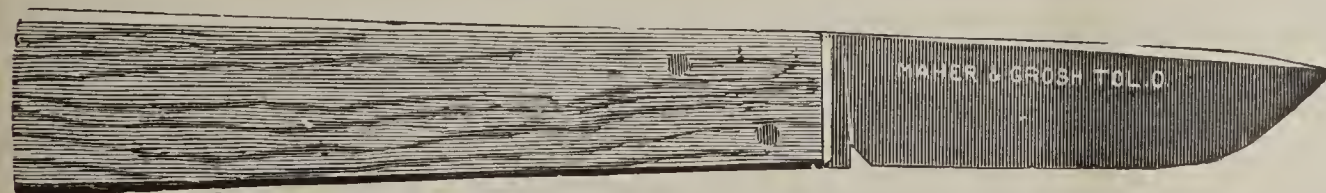
Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

LEVAVASSEUR & SONS

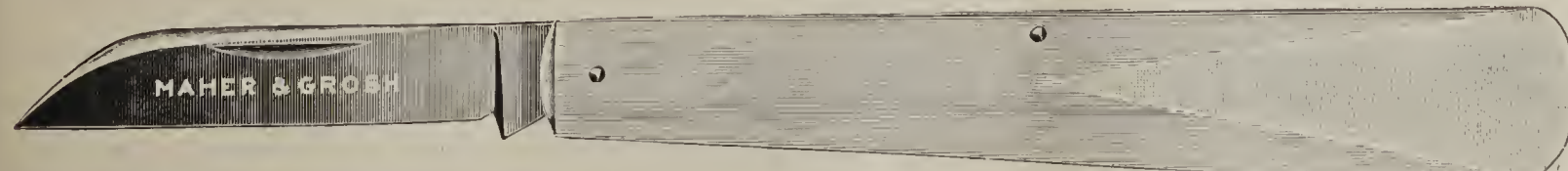
Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.



BUDDING KNIFE No. 94. Sample by mail, 25c; 6 for \$1.25.



PROPAGATING KNIFE No. 89, 50c. Blade Closes; White Handle. Same Handle, but with Budding Blade, same price

NURSERYMEN'S KNIVES

Hand Forged Razor Steel Warranted

Nursery Pruner, 50c
Pocket Pruner, 60c
Pocket Budder, 35c
Pocket Grafter, 40c

We Solicit Direct Trade

MAHER & GROSH CO.,

90 A Street, Toledo, Ohio

Send for 12-Page Special Nursery Catalogue.

When writing to Advertisers mention The National Nurseryman.



Everything in

Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

LARGE EVERGREENS

A FINE LOT of Colorado Blue Spruce, Hemlocks, Norway and Oriental Spruce, Nordman's Fir and other choice conifers, 4 to 16 ft. high, recently transplanted. Ask for list.

SAMUEL C. MOON, Morrisville Nursery, Morrisville, Pa.

TWO CAR-LOADS

RHODODENDRONS MAXIMUM

Nursery grown, transplanted stock 2 to 4 feet to "highest bidder." Fall Delivery.

MILFORD A. RUSSELL

Altifirma Nursery,

Highlands, N. C.

Tenn. Seedling Peach Pits

Write

B. J. MILLER, Winchester, Tenn.

FOR PRICE

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

WANTED :

A competent young man with nursery office experience. Permanent position for the right man. Give references and state experience.

GLEN SAINT MARY NURSERIES CO.

GLEN SAINT MARY, FLA.

W. Fromow & Sons

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holley, etc. Our latest SPECIAL OFFER was mailed in September; for further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.

Forest Tree Seedlings

We offer a large stock of forest tree seedlings. Especially strong in Black Locust, Honey Locust, Soft Maple, Cottonwood, White Elm, Osage Orange and Russian Mulberry. Also Asparagus and Rhubarb plants 2 years. We collect and import Tree Seeds. Can make special prices on Black Locust, Honey Locust, Ash, Box Elder and Evergreen seeds. Write for prices. : : :

German Nurseries and Seed House

(Carl Sonderegger, Prop.)

BEATRICE, NEBR.

STRAWBERRY !

RASPBERRY !

BLACKBERRY !

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

PAEONIES

12 ACRES

On standard sorts can make prices that will catch your orders, will also please you with stock furnished. Ask for list.

Respectfully yours,

GILBERT H. WILD, Sarcoxie, Mo.

DREER SPECIALS

For FALL 1908

PAEONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of HARDY PERENNIALS

Including the New Hardy

TUNICA SAXIFRAGA FL. PL.

(Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY Crescent Nursery Co. Council Bluffs, Ia.

We offer our large stock of PAEONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa,
Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

On Your TRIP TO HOLLAND do not Fail to Come and See

The Royal Nurseries

GROENEWEGEN & SON

DE BILT, NEAR UTRECHT

SPECIALTY—First Class Ornamental Stock. Specimen
Trees for Parks, Lawns, Avenue and Roadside.

London Plane, Schwedleri's Maple, Lime Dasystylla,
Horse Chestnut, White and Red Flowered Thorns, Stan-
dard Pauls Scarlet, Elms large leaved, Wheatleyi Elm.

Hydrangea Paniculata Grandiflora, Variegated Negundo's,
Pear Pyramids, extra fine, extra fine strong Figs, Walnuts,
Filberts, Medlars, etc.

Street Cars for De Bilt every half hour in Utrecht Central Station.
Will meet visitors in Utrecht when advised in due time.

When writing to Advertisers mention The National Nurseryman.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Fall '08, one of the Most Complete Assortments
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
and Native Plum, Peach, Ornamental Trees and a
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.
Lots of shrubs, vines, roses, evergreens, herbaceous
and perennial plants. Also a nice lot of 2 yr.
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Fall 1908 and Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2
yr., Champion, Orange, Meeches & Reas, exceptionally
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.

FRENCH FRUIT STOCK

FROM THE WHOLESALE NURSERIES OF

Vincent Lebreton, Angers, France

WE CAN STILL OFFER IN QUANTITY

PEARS, branched roots,	1 year tr. 7-12--6-10--5-7 and 3-5 mm.
MAHALEB Seedlings,	1 " 5-9--3-5 and 2-3 mm.
MAZZARD, "	1 " 5-9 and 3-5 mm.
MYROBOLANS Seedlings,	1 " 5-9--3-5 and 2-3 mm.
QUINCE, ANGERS CUTTINGS,	1 " 7-12 and 5-7 mm.
MANETTI,	1 " 5-8 and 3-5 mm.
MULTIFLORA,	1 " 5-8 and 3-5 mm.

Good clean bright stocks—fully up to grade. Carefully packed in paper lined cases.
SEND US YOUR LIST FOR SPECIAL QUOTATIONS.

We also offer a full line of FRENCH ORNAMENTAL STOCKS, suitable for Lining out.
Send for Catalogue and Special Lists.

Mc HUTCHISON & CO.

17 MURRAY ST.,

Sole American Agents

NEW YORK

FALL OF 1908

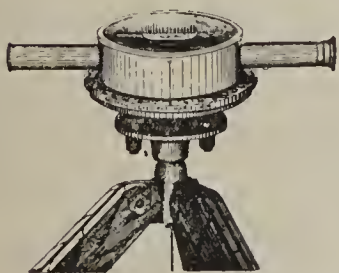
New Trade Sheet and Scion List Just Out. WRITE FOR THEM.
We have a Large Stock and can Ship Promptly.
NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.
JOHN A. CANNEDY NURSERY AND ORCHARD CO.,
CARROLLTON, ILL

Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,



are conceded by all who know to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO.

133 MADISON AVENUE, ATLANTA, GA.

H. R. McNAIR

DANSVILLE, N. Y.

Wholesale Nurseries

Write for prices on

Pear, Plum, Quince and Cherry Trees

North Carolina

Natural

PEACH

SEED

Write for sample and special prices.



Clark Nursery Co.
Rochester, N. Y.

You Get What You Order.

W. VAN KLEEF & SONS

Wholesale Growers of Nursery Stock

BOSKOOP, HOLLAND.

When writing to Advertisers mention The National Nurseryman.

Ask for special prices, they will certainly interest you.

When writing to Advertisers mention The National Nurseryman.

SILVER LEAF NURSERIES

We offer a general line of Nursery Stock for Fall 1908 and Spring 1909. Heavy on 1 year Peach, 2 year Pear, 2 year Cherry, 1 and 2 year Plum.

Especially heavy on the following:

PEACH:—Sneed, Greensboro, Mamie Ross, early and late Crawford, Smock, Old Mixon F., Elberta.

PLUM:—Wild Goose, Red June, Burbank, Wickson.

CHERRY:—Early Richmond, Dye-house, Governor Wood.

PEAR:—Kieffer, Garber, Duchess.

Your orders, large or small solicited.

C. C. DAVIS

ROSE HILL, VA.



HEIKES-- HUNTSVILLE --TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,

HUNTSVILLE, ALA.

The Willadean Nurseries

OFFER FOR FALL 1908

A large assortment of Fruit, Shade, Ornamental and Weeping trees, Shrubs, Vines. Evergreens, Roses, Herbaceous plants, and Forest Tree Seedlings in large quantities. Tree Seeds we will have our usual supply. Send for list.

Large stock of Snowballs, Weigelias, Berberis, Spirea Van Houtti and other shrubs from 2 to 8 feet. Special prices on above.

Trade list ready Sep't. 1st, send for copy.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

SURPLUS

Dorothy Perkins Roses Jackmani Clematis

TWO YEAR NO. 1

SEND FOR PRICES

GEORGE BROS., Penfield, N. Y.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr.,

MONTICELLO, FLA.

The Cureton Nurseries

AUSTELL, GA.

I have some large Magnolia Grandiflora, Catalpa, Arborvitaes, 2 and 3 years old. Also 7,000 Pecans, English and Black Walnut Trees, 3 years old. This stock must be cleared of the land this fall. Prices attractive.

Try some of my Martin's September Peach. I will let you have the Trees and Buds too. General line of other Nursery Stock not mentioned above. Write for prices to-day.

JAMES CURETON, Proprietor

When writing to Advertisers mention The National Nurseryman.

Are YOU a Buyer of These?

CRIMSON RAMBLER

DOROTHY PERKINS

QUEEN PRAIRIE

MADAM PLANTIER

BALTIMORE BELLE

CALIFORNIA PRIVET

IBOTA PRIVET

SPIREA VAN HOUTTE

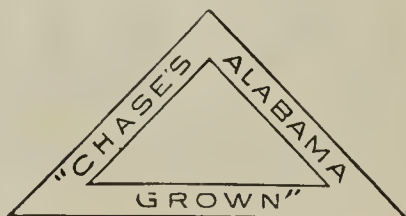
ALTHEA—named sorts

All our own roots.

In all grades including
lining-out stock.

We claim to be headquarters on these items—and some others. Tell us how many you can use, grade wanted, and we will quote.

Our General Trade List now on the press—look out for it, its **YELLOW** (yellow only in color).



Chase Nursery Co.

Huntsville, Alabama

When writing to Advertisers mention The National Nurseryman.

CHERRY TREES

Is what we offer to the trade in car-load lots. Here we are able to hold the foliage on our Cherry trees till digging time, which enables them to store up great vitality,---therefore, they transplant better than trees from which the leaves have dropped early. SEE THE POINT! We have a large number of Montmorency and other leading sorts.

Also some Peach, Plum and Pear.

Come and see our trees or ask for sample and be convinced of their extra quality.

H. M. SIMPSON & SONS
Vincennes, Indiana

CHERRY TREES

ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas, Climbers, Ramblers, — THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now!
Get our quotations—*Now!!*
Ask for our catalog—*NOW!!!*

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior
ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks,
Forest Tree Seedlings, Rose Stocks, Shrubs,
Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.
NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

W. W. THOMAS
THE STRAWBERRY PLANT MAN
ANNA, ILLINOIS

200 ACRES IN PLANTS
ASPARAGUS AND RHUBARB ROOTS
NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

Bryant's Nurseries PEONIES

50,000 to offer for fall of 1908.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

Ornamental Shrubs
all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON
PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company
AURORA, ILLINOIS

LOMBARDY POPLARS, - - 8 to 14 feet
CAROLINA POPLARS, - - 9 to 11 feet

YOUNG VIGOROUS TREES

CALIFORNIA PRIVET, fine, bushy stock, 1 to 4 ft.

JOSIAH A. ROBERTS, Malvern, Pa., Chester Co.

For Sale 50,000 American Oak Seedlings in ten leading varieties, also other varieties of Forest and Shrub Seedlings, Hardy Herbaceous plants, etc. Would exchange for Roses, Paeonias, Hardy Phlox and Forest Tree Seed.

D. W. BABCOCK, Box 222, Berlin, Md.

BERBERIS THUNBERGII; 12 to 18 and 18 to 24 inch, well branched and good roots, 10,000 Vinca Minor, (Grove Myrtle), 5,000 Red Oak, Norway Spruce 12 to 18 inch, one year cherry and plum.

OAK HILL NURSERIES, Roslindale, Mass.

We own two Nurseries 35 miles apart, will sell one at a bargain. Land is under irrigation, no floods or droughts, good location for either wholesale or retail trade. Price \$5,000. \$2,000 cash, balance ten years time, small yearly payments.

TYLER BROS., Kimberly, Idaho

A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere
Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

Tree Seeds and Seedlings

I am now prepared to furnish Nurserymen and parties interested in Reforestry with Deciduous and Coniferous Tree Seeds and Seedlings. Pine Seeds especially.

FRANK N. GRAASS

Sturgeon Bay, Wisconsin, U.S.A.

Correspondence Solicited.

When writing to Advertisers mention The National Nurseryman.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,
NURSEYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.

Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted.

Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up
" " 3-4 to 1 in " " 5-8, to 3-4, and
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

Hardy Border Plants

COREOPSIS—Shasta Daisy.

GAILLARDI—Sweet William and all leading Perennials.

AURORA NURSERY CO.

AURORA, ILLS.

When writing to Advertisers mention The National Nurseryman.

DON'T NEGLECT
FALL SPRAYING.

"SCALECIDE"

FALL SPRAYING
IS BEST.

We guarantee to kill San Jose Scale and all soft-bodied sucking insects.

It also contains Fungicidal properties.

Greatest effectiveness. Least labor and expense.

Endorsed by leading Horticulturists, Fruit Growers and Experiment Stations.

Mr. George T. Powell, President of the Agricultural Experts Association, writes July 18th, '08:—We never had our trees so free from scale as at present, and feel that "Scalecide" is doing the work for us.

Write TO-DAY for Booklet B with full particulars, and FREE Sample.

B. G. PRATT COMPANY, Mfg. Chemists, No. 50 Church St., N. Y. City

Special for Fall, 1908

STANDARD AND DWARF PEAR—2 Yrs.
CHERRY, PLUM AND QUINCE—2 Yrs.
NORWAY MAPLES, 8 to 10 Ft.—Fine

No Scale has ever been found in this County
CLOSE PRICES FOR EARLY ORDERS

JAMES M. KENNEDY, Agent
DANSVILLE LIVINGSTON CO., N. Y.

ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and
Ornamental Trees in Quantity

High Grade PECANS our specialty

EVERGREEN

AND

FOREST TREE SEEDLINGS

IN LARGE QUANTITIES

A FULL LINE OF

Specimen Evergreens
Ornamental Trees
Shrubs

WRITE FOR CATALOGUE

R. DOUGLAS' SONS

WAUKEGAN, ILLS.

Established 1848

PEACH SEED

Free from disease injurious to the Seedling

The following is taken from a letter written me Jan. 25th, 1908, by Prof. F. L. Stevens, at the head of the Department of Plant Disease, North Carolina:

"As stated in my letter of the 20th, my records show the disease in Buncombe and Polk Counties. I have, however, never seen a case of peach yellows in the state in my seven years here, although I have constantly been on the watch for it and have traveled in probably more than eighty counties of the state, and have driven by buggy through practically all of the mountain counties. Nor have I received any specimens of yellows in the very numerous plant diseases which have been sent to me for determination, with one exception, notwithstanding the fact that I have made hundreds of inquiries by mail and through the Agricultural Press for information concerning the distribution of this disease."

Only one case in Buncombe and it in doubt and we now gather no seed in this county and have never gathered seed in Polk County, as the Peaches in this county are largely Nursery Grown and we only gather the Naturals. Prices consistent with grade of seed.

JOHN A. YOUNG

Greensboro, N. C.

Gooseberries, 2 yrs. A fine lot of Downings, Houghton, Red Jacket, Smiths, and Keepsake, etc., etc.

University Avenue Nurseries

1865 1908

We Offer Among Other Things Fall of 1908 the Following Choice New Varieties :

BABY DOROTHY ROSE.—The best of all the Babies for out-door planting or for forcing, strong 2-year plants.

Pink Baby Rambler, ANNA MULLER.—A grand budding rose, very floriferous, heavy plants.

White Baby Rambler, CATHERINE ZEIMET.—Double, pure white fragrant flowers, desirable.

LADY GAY.—Distinct from, and more refined than Dorothy Perkins. Grand climber.

A New Hybrid Rugosa, F. C. MEYER.—Strong grower, color silvery pink. Recommended.

Hydrangea, Grandiflora Alba, or "HILLS OF SNOW."—The best shrub for dealers to handle.

Anchusa Dropmore Var., The "HEAVENLY BLUE FLOWER."—Extra strong blooming plants. Send for circular.

Veronica Long Sub., BLUE BIRD FLOWER.—A grand border plant.

PAEONIES.—The Only Gold Medal Collection at St. Louis.

PHLOXES.—Largest and best collection in State of New York.

TEA'S WEEPING MULBERRIES.—Extra strong heads. ALSO A FULL LINE OF ROSES AND FLOWERING SHRUBS, ETC.

JOHN CHARLTON & SONS
Rochester, N. Y.

HUNDREDS OF ACRES

GOOD STOCK

LOW PRICES

Trade Specialties for FALL

AMPELOPSIS VEITCHII, 2 to 3 yrs.

ARALIA SPINOSA, 4 to 5, 5 to 7, and 7 to 8 ft.

CATALPA BUNGEI, 2 and 3 year heads.

PLATANUS ORIENTALIS, 8-10 ft. and 2-3 ft., 1 yr.

LIGUSTRUM OVALIFOLIUM, 18-24", 2 to 3 ft. and 3 to 4 ft.

MYRICA GALE, 2 to 2 1/2 ft.

PHLOX, Perennial Varieties, field clumps.

STEPHANANDRA FLEXUOSA, 2-3 ft. and 3-4 ft.

VIBURNUM PLICATUM, 2-3 ft. and 3-4 ft.

VIBURNUM DENTATUM, 2-3 ft. and 3-4 ft.

HARDY RHODODENDRONS, 18-24" and 2-2 1/2 ft.

ROSA RUGOSA, 15 to 24" and 2-3 ft.

WANTED—2,000 CAROLINA POPLARS, 1 1/2 - 1 3/4 - 2"

American Nursery Company

150 BROADWAY, NEW YORK CITY

BLOODGOOD NURSERIES DEPT.
F. & F. NURSERIES DEPT.

FLUSHING, LONG ISLAND
SPRINGFIELD, NEW JERSEY

PEACH SEED

NATURAL PEACH PITS OUR LEADER

Communicate with us for LOW PRICES, LARGE CONSIGNMENTS

Southern Carriage and Seed Co.

Barre Street, near Charles - - - BALTIMORE, MD.

KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.

SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

When writing to Advertisers mention The National Nurseryman.

Nursery Stock

Walter Charles Sloccock
GOLDWORTH NURSERY
WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other **ROSE STOCKS.**

FRUIT TREES in large quantities.

Transplanted **FRUIT TREE STOCKS.**

RHODODENDRONS and other **AMERICAN PLANTS.**

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other **HARDY CLIMBING PLANTS.**

Transplanted **FOREST TREES.**

THE STOCK IS IN EXCELLENT CONDITION
LARGE QUANTITIES SHIPPED ANNUALLY.

PEACH SEED

Of all Grades

FOR SALE AT LOW PRICES

WRITE **THOS. R. HAMAN**, 1614 Oliver Street
BALTIMORE, MD.

Fruit Tree Seeds

Write promptly for prices on the following: Mazzard and Mahaleb Cherry, French Pear, Apple and Tenn. Natural Peach Pits.

Use "Red Star" Raffia.
Sample free.

THOMAS MEEHAN & SONS, Inc.
Dresher, P. O. Box T, Pa.

Forest Plants

Hedge Plants Fruit Stocks Day Briars

PRICE LIST FREE ON APPLICATION

JULIUS HANSEN PINNEBERG, (Holst) Germany

WE WANT A FEW EXPERIENCED NURSERY HANDS

Steady work, good wages, and opportunity for advancement.

MONTANA NURSERY CO.,
BILLINGS, MONTANA.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual,
Ramblers,
Climbers,
Etc.,
in large supply.



Spirea Van Houtte

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.

Pleased to price your list of wants or to show you our stock. Special inducements on car lots. If you have not received our fiftieth anniversary descriptive catalog, send for it. Catalogs and Price Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

Shrubs
Evergreens
Roses
Hardy Plants

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANCER & BARRY,
Nurserymen—Horticulturists,
MOUNT HOPE NURSERIES,
Established 1840. **Rochester, N. Y.**

The Election of a President

is of momentous interest to the country!

The endorsement of the J. & P. stock evidenced by orders received from all sections, shows that the Nursery Trade is alert to its interests and opportunities;

The Inauguration

of a new era of prosperity can best be begun by Nurserymen placing their orders now for late fall and spring delivery. WE OFFER IN THE J. & P. PREFERRED STOCK

Roses

Hybrid Perpetuals, Climbers,
Ramblers, Mosses

Hydrangea P. G.

Bush and Tree Form

Ampelopsis Veitchii

Clematis

Paniculata and Large-Flowering
Shrubs, Shades, Conifers, Perennials, etc.

SEND LIST OF WANTS FOR PRICES.

JACKSON & PERKINS CO.

Re-elected as "Purveyors to The Trade" Dispensing The Preferred Stock, which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE.

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries, Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



ALTHAEA MEEHANII

(Hibiscus Syriacus)
(New variegated
single flowering
Althaea).

Field grown
DOROTHY
PERKINS,
CRIMSON
RAMBLER,
and MARIE
PAVIE Roses.
AZALEA

INDICA,
CAMELLIA,
MAGNOLIA
grfl..

WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP

POPLARS,
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

::


AUGUSTA, GA.

Established 1856


Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman

When writing to Advertisers mention The National Nurseryman.



TREES SHRUBS AND PLANTS



PETERSON
NURSERY
CHICAGO

Front cover of catalogue recently supplied to the Peterson Nursery Company, Chicago
by the McFarland Publicity Service, Harrisburg, Pa.—see other side



ONCERNING this catalogue, Mr. B. E. Gage, Advertising Manager of the firm for which it was made, wrote as follows:

"Your bill has been received, and we are sending you our check for same, less 2 per cent.

"We are very much pleased with the catalogue, and think you did yourselves great credit in turning out such a handsome book. It may interest you to know that the J. Manz Company, of Chicago, through their president, took occasion to compliment us upon the get-up of the catalogue, and also that several other people in the business have told either Mr. Peterson or myself that the catalogue was very fine."

The J. Manz Company is one of the largest and most high-class printing and engraving houses of Chicago, and was our leading competitor for the Peterson Nursery Company Catalogue contract.

"Horticulture," of Boston, made the following comment:

"This is a well-arranged, profusely illustrated and strictly practical catalogue. Its descriptions are interesting and instructive, and altogether

**It is just the kind of book to
make people want to buy."**

In many ways this catalogue establishes a new standard of excellence in selling literature for horticultural tradesmen. We have a few copies on hand, and while they last will be glad to send one to any person or firm interested in a work of the kind to cost from one dollar down to twenty-five cents a copy, depending upon whether 1,000 or 10,000 copies are required.

We have also samples of several other new things in the catalogue line, very much simpler and less expensive, but almost as effective in proportion to cost. If you want to see some of these, let us know. Tell us about what you usually pay for a given number of books and we will send samples.



THE MCFARLAND PUBLICITY SERVICE
HARRISBURG, PENNSYLVANIA

The McFarland Organizations: { J. Horace McFarland Company
The McFarland Publicity Service

"Everything in Evergreens and Forest Trees"

My stock is complete in every way, and includes all the hardiest and most valuable varieties. In addition to having the largest stock of Evergreens and forest trees in America of varieties which are grown from seeds, I have a very complete stock which I propagate by grafting and rooted cuttings and am offering same in the smaller as well as the larger sizes, thus enabling you to obtain plants at reasonable prices for growing on.

Send for advance price list which, altho it is not a complete list of everything I grow, gives prices on some of the varieties which I can furnish in immense quantities.

If you are in the market for anything in Evergreens or Forest trees in any size or quantity, and are interested in getting stock that will live and grow, you will make no mistake in purchasing from a specialist.

"DUNDEE GROWN TREES HAVE BEEN FAMOUS FOR OVER HALF A CENTURY."

WRITE FOR PRICES, INFORMATION, ETC.

I also offer a complete line of TREE SEEDS of entirely new crop, and of high germinating quality. Send for price list.

D. HILL, Evergreen Specialist

THE DUNDEE NURSERIES, DUNDEE, ILLS.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our **HOLLAND NURSERIES**. Some of the goods on hand here during the packing season.

ESTABLISHED 1885

W. F. HUMPHREY

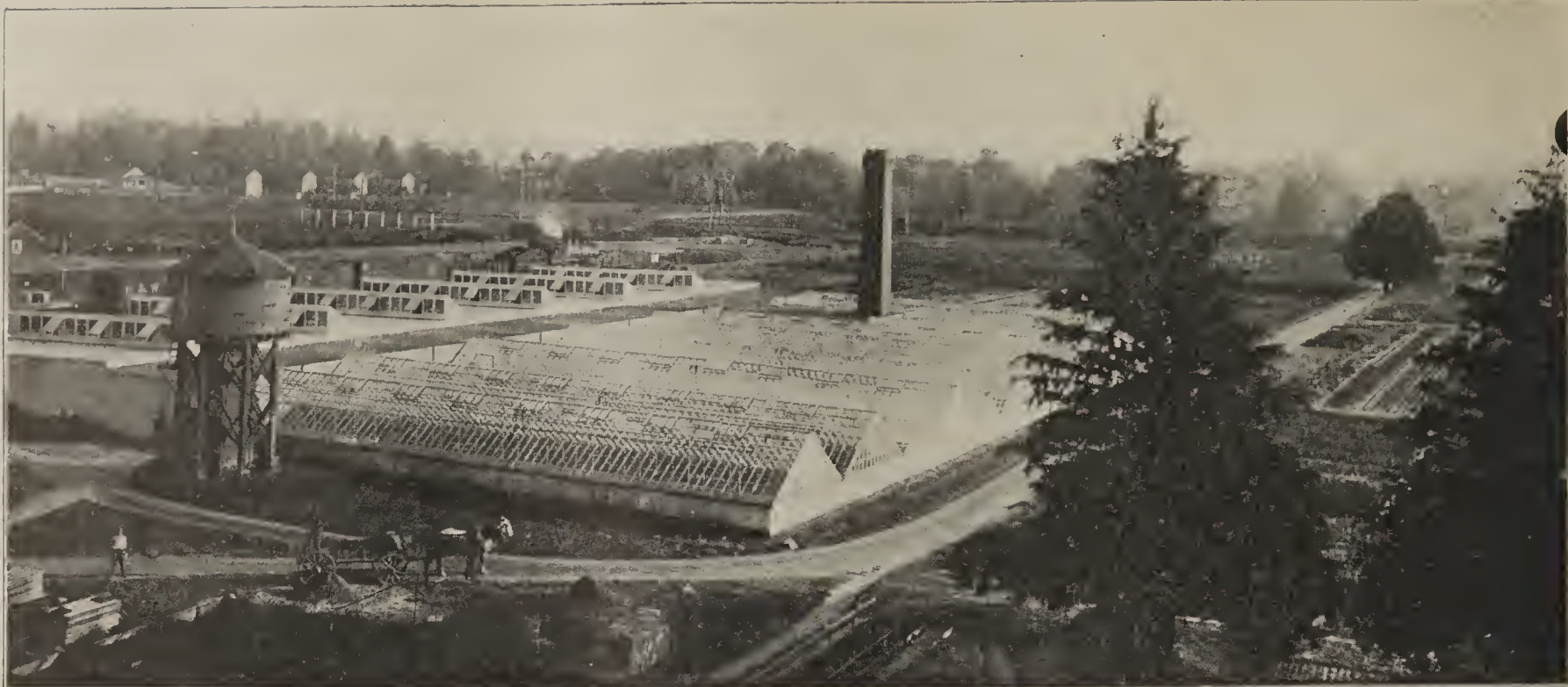
**Publisher, Printer, Binder, Ruler
and Blank Book Manufacturer**

MAKER OF
Nursery Catalogues, Trade Lists, Etc.

Send for Sample Stock Catalogue

3 LINDEN STREET,

GENEVA, N. Y.



Views of the Greenhouse equipment, propagating frames, barns, side track and shipping facilities of The Storrs & Harrison Company, Painesville, Ohio.

The National Nurseryman.

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., NOVEMBER, 1908

No. 11

A GREAT DEPARTMENTAL NURSERY.

THE STORRS & HARRISON COMPANY

**A Company which Supplies Everything from Flower Seeds
to Giant Shade Trees; and the Whole Range of Exotics
from Greenhouse Plants to Fruits and Shrubbery.**

[Written and chiefly illustrated by the Special Representative of THE NATIONAL NURSERYMAN.]

THERE are two general types of nurseries: The nursery which cultivates specialties and the nursery which covers the whole plant field, representing as it were, the complete modern department store. The first

One of the most remarkable institutions of this comprehensive kind of nursery, complete in its full line of departments and each department replete in its assortment of stock, is the subject of our sketch located at



The Morning Round-up at the Storrs & Harrison Company, Painesville, Ohio.

may be said to be the product of soil or climatic conditions on the one hand, or on the other, the training and predilection of the owner. The second, however, is the result of the direct energy and aggressiveness of the proprietors.

Painesville, Ohio, some twenty-five miles east of Cleveland.

The early history and founding of such an establishment is always full of interest for we all like to know how "great oaks from little acorns grow." This dates from 1853



A sample of peach stock carrying dormant buds. The Storrs & Harrison Company, Painesville, Ohio.

when we find Jesse Storrs located on some eighty acres of land near the village of Painesville engaged in general farming, but growing a few fruit trees and ornamentals on the side to supply a small local trade. Here we find him soon after joined by an Englishman, J. J. Harrison who has all his life been interested in gardening and propagating and who at this time is engaged in what was at that period a very important business, namely the retopping (top-grafting) of the numerous seedling apple orchards throughout the country with the newer and more valuable named varieties of that period. These two then, the farmer-nurseryman and the propagator joined hands and gradually built up what has in this day and in the second generation developed into probably the most comprehensive nursery establishment in regard to the scope of its products, in the entire country.

The nursery of today includes in its area the original location, and where the green-houses stand was the spot where the enterprise started some sixty years ago. The evolution of a great business like this makes a story of surpassing interest. Beginning with the common run of outdoor, hardy plants, as fruits and decorative shrubs, we find that the demands of the times were soon answered by the erection of green-houses for the propagation of tender plants. The green-house side of the business has been in operation for over forty years. As this progressed, the allied business of seed growing and handling was suggested and we find that the seed business was added some twenty-five

years ago and is now an integral part of the whole enterprise. Then came the extension of the areas devoted to hardy ornamentals and the gradual increase of herbaceous plants and roses till these two occupy more than a hundred acres.

SOIL AND LOCATION.

The head-quarters of the old establishment was located on a slightly elevated plain about a mile from the shore of Lake Erie. From this point to the lake there is a gentle but continuous fall so that excellent drainage is afforded. Not only is soil drainage desirable in fruit growing but air drainage is equally important. Undoubtedly much of the success which has attended the efforts of this firm may be attributed to favorable location in reference to soil and climate.

This is not said with a view of detracting any iota from the personal credit which is due to the members of the firm, for, however favorable soil and climate may be, these conditions must be backed up by knowledge and intelligence, good business methods and perseverance in order to erect a great enterprise of this kind. The soil of the Lake Erie region varies somewhat from light gravelly loam characteristic of the old shore bed to streaks of clay



One of the finest specimens of the Camperdown Elm in the country on Mr. Harrison's lawn.

and sandy clay. These differences are characteristic of the Painesville region and to these soils are also added black muck loams, very desirable for the cultivation of heaths and some of the perennials.



Vegetable Seeds occupy an important place in the business of the Storrs & Harrison Company.. A fine field of Onions.

DEVELOPMENT OF NEW AREAS.

One of the particularly interesting features of this business to the occasional visitor is the fact that the stock is all grown under the immediate eye and direction of the company and on their own land. When this system prevails it always means that the purely farming features must receive careful attention. No nursery can continue the cropping of land with any degree of success unless a careful and systematic method of rotation is followed; but with a rational rotation it is entirely feasible. The visitor finds here that the northern world's great regenerating plant, clover, is an important factor in the rotation and that when a block is cropped with rose bushes, seedling stock, or fruit trees, it is succeeded, rested and rejuvenated by the giving of it up to a crop of clover for a period of at least one season. Oats and rye are used as seeding down crops very generally.

NEW LANDS ADDED.

We were keenly interested in the work of subduing a piece of farm land which had recently been purchased by the company. While this land had been farmed for half a century, yet the radical difference between the methods of the nurseryman as exemplified by Mr. George's plan and those of the farmer were particularly noticeable when this land was being prepared for the tree crops. On the surface

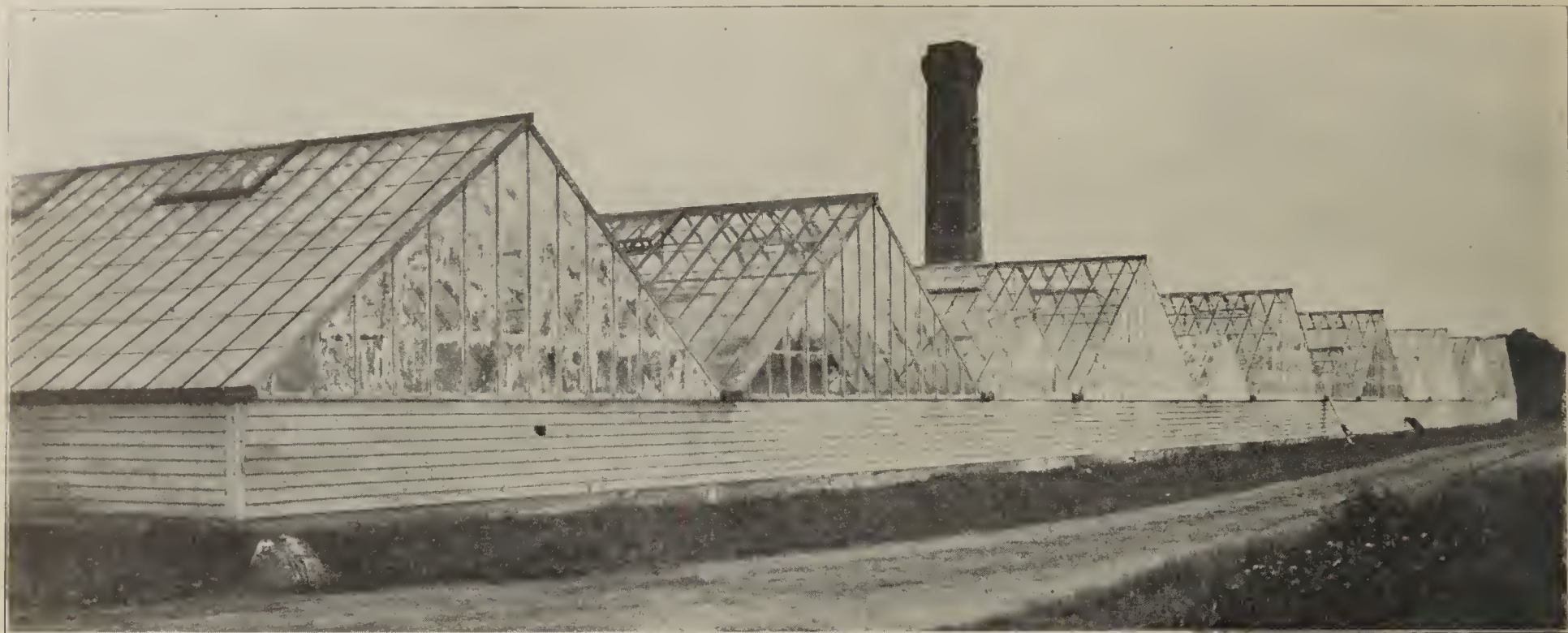
it looked fair and smooth. The Storrs & Harrison method however, while plowing the ground, follows the plow with a sub-soiler. This implement loosens the soil to a depth of some ten or twelve inches below the bottom of the furrow. It was in running the sub-soiler that the plowmen "met trouble." Boulders, nigger-heads and cobble stones were found in quantity and as these must be gotten out of the way so that the tree digger could be used in later times, there was nothing to do but to dig them up and cart them off. This was expeditiously done by having the sub-soiler followed by a gang of active men with picks and digging spades. Whenever a stone was located, up it came, was placed upon the

surface and later carted away to the piling ground. One of the illustrations shows the appearance of one of these new fields after it was treated in this way. These stones are of some value in these days of building operations. Not only is stoning of the fields important but draining is equally essential and every rod of this new land which is acquired from time to time is carefully tile drained, for these nurserymen know that they must be able to work the land early in the spring and



A sample photograph by the Storrs & Harrison Company, photographers.

late in the fall. Good drainage enables them to do this. This special department is under the efficient direction of Mr. Robert George, vice-president and general manager. A fine crop of corn running from 80 to 90



Where Stove Plants of various kinds are grown in large quantities by The Storrs & Harrison Company.

baskets to the acre attested the thoroughness of this method preparation of this "old new" land.

THE FIELD AREAS.

Under the guidance of Mr. George, the representative of the NATIONAL NURSERYMAN was driven over the extensive grounds, as the general manager visited the different blocks and saw the great tracts of the different classes of nursery stock and was much impressed by the systematic arrangement with special reference to the rotation system mentioned above. He was also impressed by the interested manner in which the work of tree digging then going on, was conducted by the laborers, under the direction of the field foremen. An unusual degree of activity and intelligence as well as interest in the work seemed to pervade the movements of the employees.

Each part of the ground was utilized with the crop which its quality adapted it for, but always with reference to the crop which preceded it. The land down by the lake shore which is also traversed by a picturesque and attractively wooded ravine is mainly occupied by a great block of peach seedlings lately budded. This block runs considerably over the million mark and illustrated a wonderful degree of uniformity. The well drained gravelly loam seems admirably adapted to the needs of the peach seedling, resulting in a uniform and well ripened growth. A wind break of conifers along the shore protects the fields from the force of lake winds.

Although the yearling and two year old blocks of pears were exceedingly extensive we were informed that

the orders in hand covered everything that was available.

If this great company has any specialty outside of its general specialty which is to grow everything in the nursery line, this lies in the extensive blocks of field grown roses. In the Rambler types of roses alone many acres are covered and the total ground given up to this queen of flowers amounts to sixty acres. At the time of our visit early in October some late blooming varieties were even then a mass of flowers.

DIVISION OF NURSERY CROPS.

The lands utilized for field grown nursery stock amount in round numbers to about 1400 acres. Of this 150 acres are occupied by native timber and the remainder is roughly divided up something as follows: Orchard fruits 250 acres, small fruits 50 acres, ornamental stock 250 to 300 acres, roses 60 acres. The remaining acreage is occupied by the green-house plant, packing grounds, and fields which must

be farmed each year in order to keep them in condition for the satisfactory production of the special crop which they are to receive in the regular rotation.

Among the striking blocks of trees to be seen were fine growths of plane, (sycamore), Norway maple, elm and other well known deciduous trees; tea's weeping mulberry made a fine showing. In farming operations and in the preparation of land for nursery stock,

fall plowing is the accustomed practice. The plow is followed by the disc harrow which tends to fine the soil and if this is inadequate the cylinder shaped clod crusher is used. Some twenty teams are employed, all of heavy



Cannas in foreground with houses and lawns of members of company in background.



An extensive field of one year Currants. Thoroughly mellowed soil aids the rooting of the cuttings. The Storrs & Harrison Company.

draft type. In early days mules were used but these have been gradually replaced with the Percheron draft horse.

GLASS EQUIPMENT.

The glass houses have been enlarged and improved, gradually at first and rapidly of late during the past thirty or forty years. They now comprise an area of 170,000 square feet and in these houses are grown everything in the way of green-house stock in demand by the amateur or the professional florist. One of the strong lines is the palm and we noted some fine houses devoted to this handsome foliage plant. The mail order business associated with the florist department is large and growing. Hard by the glass houses is a group of frames in which woody ornamentals and herbaceous plants are propagated. Vast numbers of these ornamentals are grown and sold as nicely rooted small plants. Our illustration shows the handling of these plants in the frames. In this respect the nursery is carrying on a line of work somewhat similar to that practiced by European nursery concerns.

PACKING HOUSES.

These are large and convenient and are supplemented by a car house big enough to accommodate several cars, under cover, greatly facilitating the handling of stock during inclement weather, and making for the shipment of stock in good condition at all times of year. The car house is a substantial building made of cement blocks paralleling the packing house on one side. The Lake Shore Railway maintains a switch on the grounds and shipping is also done by the B. & O. and the Nickel Plate Railways. The ship-

ping work of the company is also facilitated by a trolley station on the line which connects Cleveland with the towns east and west. Large quantities of express matter are transported by this trolley.

LABOR.

Two classes of laborers so far as nationality is concerned perform most of the manual work. These are Italians and Hungarians. Their work is directed by American foremen, and the whole of the field operations are under the eye of Mr. Robert George. The green-house work is directed by Mr. Ed George and the visitor cannot help being struck by the health and general appearance of thriftiness exhibited by the plants under glass. A large number of the employees are housed in homes provided by the company on the grounds. Some thirty tenant houses are thus occupied.

MEMBERS OF THE FIRM.

The personnel of the firm at present is as follows: President, J. J. Harrison. Mr. Harrison has long been known in pomological and fruit growing circles in the United States. He has the distinction at the present time of being with two others, Messers J. T. Lovett of New Jersey and J. C. Vaughan of Chicago, the only surviving charter members of the American Association of nurserymen. He has been a member of the American Pomological Society, nearly if not



End view of car shed which parallels packing house.

quite half a century and has been one of the most regular attendants at its meetings. Mr. Harrison has served on many committees both in the national organizations and in the Ohio State Horticultural Society.

Mr. Jesse George the other senior partner retired a number of years ago and has since passed away.

Vice-president, Robert George. Mr. George's connection with the company of which he is now general manager covers a period of over forty years. During that time his services have been absolutely unremitting. From 6:30 in the morning when the round up (See illustration) of the working force occurs, till the close of the day at six with a short intermission for luncheon, Mr. George is "on tap."

His horse and buggy are on the constant move for at least ten hours a day and his watchful eye covers the entire range of field operations,

Secretary, J. H. Dayton. In Mr. Dayton, the company has an active and efficient office manager and one who keeps in close touch with the movements of trade and the demands of the times. Mr. Dayton has been a valued member of the American Association of Nurserymen for many years and has for a long time occupied important offices in that body.

Treasurer, W. C. Harrison. The financial records are

cared for by a son of J. J. Harrison, a young man whose inclinations and tastes are essentially horticultural.

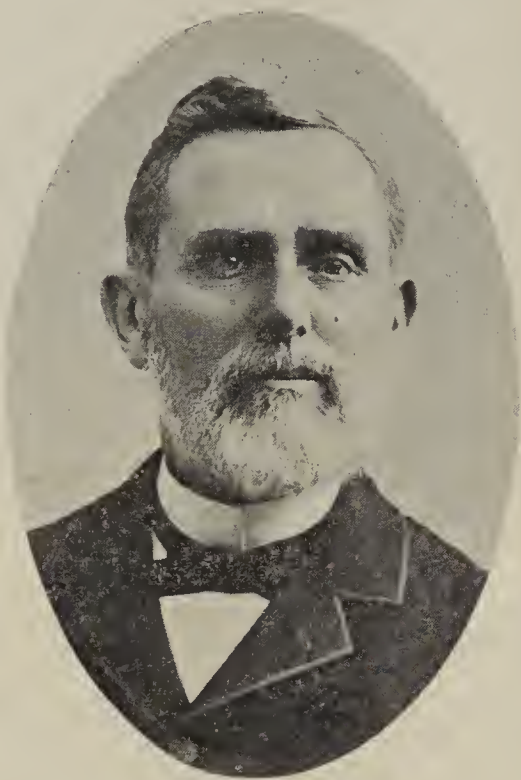
Green-house superintendent, Mr. Ed George. The herbaceous plants and green-house stock come under the direction of Mr. George, Jr., and how well he cares for this department may be gathered from the remarks already made regarding condition of stock.

The homes of the members of the firm are right on the grounds close to headquarters where office,

packing houses and green-houses are located. The well kept lawns without separating boundaries combine to form a park like effect excellent from the utilitarian as well as aesthetic aspects.

Here then we have an interesting example of the development of a great nursery company having as its basic idea the

production of its own stock. How well this has worked out in practice may be competently attested by the appearance of expansive nursery areas, and the evidence of the packing houses.



J. J. Harrison, President.



J. H. Dayton, Secretary.

SOME OBSERVATIONS ON FRUIT-GROWING IN THE ROCKY MOUNTAINS AND NORTHWEST PACIFIC.

Editor National Nurseryman:

In response to your query as to how matters are faring with nurserymen in this region I regret to say that I am not in very closely touch with local trade conditions. For the past six weeks the writer, in company with Mr. James M. Irvine, editor of the *Fruit Grower*, has been visiting the orchard valleys of Colorado, Utah, Idaho, Oregon, Washington and Montana; but though not prepared to express opinions on local conditions, perhaps a review of our observations of that wonderful western fruit country will be of interest to nurserymen.

THE GROWING WEST.

It is a wonderful country—no one after visiting it could come away with any other impression. Great things are being done there and even greater projects are under way. It is our opinion, however, that the extreme high prices of last year have proven a misfortune rather than a blessing, for necessarily, there must be a readjusting, with a firmer and

surer foundation of values as a basis upon which to build the orchards of the future. From the nursery point of view, we believe western trade conditions warrant a more conservative policy. Planting on a prospective demand is a most uncertain proposition. Too much orchard planting has been done, the chief object of which has been to plant and grow to *sell* the orchard, rather than to *develop* for personal management—a most hazardous speculation for all involved and these plantings have consumed vast quantities of trees. However, such orchards will never come in very strong competition with the man who develops his own orchard and markets the fruit. Orchard planters who plant as an investment and not as a speculation and who mean to stay with the proposition are the ones who are showing a great willingness to pay good prices for good sorts. They have had more than enough of cheap stuff.

SOME EVILS.

Western nurserymen tell us that one of the greatest draw-backs to the nursery and orchard business, in their



Comfortable homes and pleasant union lawns.

country, is the manufacturing of rejected seedlings into root grafts and selling them at \$5.00 per thousand, which makes a competitor in nearly every neighborhood, and they ask that this evil be stamped out for the benefit of future business and future orchards. They also complain (and with cause) of unfair competition brought about by trade lists being mailed indiscriminately to planters. What other trade pursues such a ruinous policy?

Apple buyers last year evidently lost their judgment in the wild speculative craze, and the effects are far reaching.

Editor Craig tells about Hood River apples selling in London for less than their cost at Hood River. Canned goods soared skyward then slumped and in the reaction the Cannery Trust are taking hold very gingerly. Bartlett pears have sold this year to canneries as low as \$15.00 per ton. How will this effect nurserymen who are straining every effort to grow *more* Bartlett pear trees?

Summing up our observations of the west—it is a magnificent, wonderful country and still young in its tremendous and undeveloped possibilities. Speaking horticulturally, the country is in its infancy—its greatest future lies before it. Let them correct the errors, which experience is bringing out each day, and the best markets of the world will be theirs.

HOME OUTLOOK.

We find our fall sales show a generous increase over the corresponding season last year and the out-look for spring is good indeed. The demand for many lines is unusually active. It is our opinion that all good stock will be used up even closer than last Spring.

Some nurserymen have learned that they have been selling at prices not equal to the cost of production, much less the cost of distributing. We are impressed more than ever with the future, and believe the far west will become the most dependable source of the orchard fruits and that they will have less competition each year, especially upon the consideration of quality—and we might add quantity.

WILLIAM P. STARK, Treasurer,
Stark Bros. Nurseries and Orchards Co.

Louisiana, Mo.

IMPRESSIONS ON EUROPEAN NURSERIES AND ORCHARDS.

Editor National Nurseryman:

After visiting orchards and nurseries in England, France, Switzerland, Belgium, Holland and Germany, I find the nurseries and farms are well cultivated but the orchards as far as I have seen have been poor, but little cultivation and but little spraying. Trees are headed too high, consequently poor fruit. The only good fruit especially peaches I found in England was grown under glass. They have a promising crop of winter apples but only a small quantity of trees.

While many thousands of trees are grown against walls, it is not a profitable way to grow them as a commercial business.

In France I found the peaches and apples very poor with some good specimens of pears growing and maturing well. The peaches grown outside of glass are not to be compared with our peaches in quality.

The price of fruits is out of reason and that decreases the sales. In Switzerland I found more pears of good quality but there the apples and peaches are poor. The price of fruits is not quite so high in Switzerland as in England, France and Germany.

Europe is far behind America in commercial fruit growing.

I feel greatly encouraged in finding the great opportunity the markets of Europe afford for our

American fruits. The fruit growers of the United States and Canada who will grow and pack only good fruit have a great future for the output of their fruit through the export trade.

It would now take many years for the Europeans to grow enough fruit to supply their people. I doubt if it will ever be done. They want our fruits in England.

The editor of the *Gardeners Chronicle* said to me—"We welcome the American fruits in our markets." More fruit

[Continued on page 368]



Propagating frames covered or uncovered according to condition of weather.



Shifting pot grown shrubs. Storrs & Harrison Company.

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
218 Livingston Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., NOVEMBER, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Forestry—J. W. Hill, Des Moines, Ia.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.
Program—Jas. M. Pitkin, Newark, N. Y.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—Geo. C. Seager, Rochester, N. Y.
Entertainment—Wm. Pitkin, Rochester, N. Y.
National Council of Horticulture—Chas. J. Maloy.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. I. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

SPRAY INJURY.

A good deal of capital is being made in newspaper columns recently of a bulletin issued by the Colorado Experiment Station on the "arsenical poisoning of fruit trees." This bulletin is written by the professor of chemistry and geology of the Colorado State College of Agriculture. Had it been the work of a professor of vegetable pathology or plant physiology our faith in the force of its assumptions would be much stronger.

It is probable that excessive and unnecessarily heavy sprayings will not only injure the tree itself but will influence injuriously the quality of the soil in the immediate vicinity. Colorado sprayers have the reputation of spraying copiously. They use large quantities of arsenate of lead and have been employing other arsenites very freely. It is not out of the range of possibility to believe that young and somewhat tender barked trees might be injured by soaking them in arsenical solutions, however weak, but this sort of treatment is not spraying; it is drenching, and no sane orchardist thinks it necessary to "soak" his trees in this fashion. Spraying in this manner is on the principle that if a little is good, more is better, an entirely mistaken idea.

However, the warning is a timely one and owners of young orchards wherever located should remember that there is a possibility of having too much of a good thing. Spraying like most other horticultural operations must always be conducted with a good admixture of common sense.

SPRAYING LAWS.

A report emanating from Kansas City gives the impression that a movement is on foot in that region for the institution of a law which will regulate the quality of insecticides and fungicides and to some extent formulas used in spraying. The first part of this seems quite feasible and not unreasonable. That is to say a given material as Paris Green for instance, should contain a definite quantity of the essential poison; arsenic, or copper sulphate should contain a definite quantity of the essential substance but if we are not mistaken this feature is already covered by the Pure Foods Law.

The second part of the act, that which proposes to regulate formulas would not only be impracticable but absurd. It would be just as reasonable to ask for a law to regulate the treatment of human diseases so that physicians would prescribe uniform remedies. In the case of treating diseases of orchard trees or insect enemies, the remedy must always be applied with due respect to environment and local conditions and it would be ridiculous to insist that the West Coast fruit grower should use exactly the same formula in treating San Jose scale, codling moth or apple scab as the man who lives in New England or on the Atlantic Coast. For a number of years Canada has enforced an adulteration act covering the manufacture of Paris Green and other common insecticides. In a bulletin recently issued by the chief analyst of the Inland Revenue Department, which gives a report on 150 samples of Paris Green obtained throughout Canada in the spring of 1908, only a single sample did not conform to the provision of this act. In 1895 the first year, of the work, out of 72 samples examined, 15 were found to be

adulterated. In 1903 only 4 out of 169 samples were found to be adulterated and in 1908 out of 150 samples examined only a single lot was found to be adulterated. This shows the influence of federal inspection.

INFLUENCE OF STOCK ON CION.

A writer in the *Rural New Yorker* of recent date, refers to a peculiar experience in growing Baldwin apples. He purchased two lots of Baldwins from different nurserymen in Western New York. They were set on the same soil, given the same treatment. One lot of trees grew very thriftily while the other made very slow and indifferent growth. He wonders what was the cause and assumes that in one case he secured trees on a dwarf stock and in the other on standard stock. Of course there is little probability that the Baldwins were on regular dwarf stock for this stock differs materially from the stock of commerce and is so much more expensive that a nurseryman would not be at all likely to select it, or get it by mistake. On the other hand we have two classes of stock, namely that which is grown in this country either from seed produced abroad or from seed secured in New England; and then we have the stock which is grown in France and imported direct. If we use French seed there should be no difference in the product. If, however, the stock is grown from New England apple seed which is collected by the cider mills where the fruit of seedlings and poor grades of named varieties comes, there might be considerable difference in the character of this stock and the European. We do not anticipate, however, that the difference is sufficient to cause any material variation in growth of the cion placed upon it. In the case of the lot which has grown so poorly, we would be more inclined to examine the conditions under which it was originally grown with a view of ascertaining its freedom from disease or vigor as affected by climatic conditions. However, the question opens up a rather interesting field for experiment.

GOOSEBERRY MILDEW IN ENGLAND.

It is interesting to find that the common downy mildew of gooseberry is known in England by the name of "American" Gooseberry Mildew. It has become in recent years a very serious enemy of gooseberry culture and growers are much worried over the possibility of it spreading to such an extent that gooseberry culture as it was practiced in olden times may become a thing of the past. The English Department of Agriculture is advocating the severe pruning of the bushes while the growers are endeavoring to find the best system of sanitation. Inspectors visit the plantations from time to time and make recommendations for the control of the disease but even these precautions seem to be unavailing. The following recommendations are made by a prominent English gooseberry grower and emphasize the apparent gravity of the situation.

"1. Every grower of gooseberries, whether he has the American gooseberry mildew or not, shall during the month of May in each year, thoroughly spray his bushes with sulphide of potassium or other approved spray fluid. 2. Every

grower shall also spray again when the fruit is gathered or so soon as mildew appears on the points of the shoots. 3. All bushes that are found to be affected shall have the points of the shoots pruned off and be sprayed again at once. 4. All shoots cut off shall be at once put into pails in which either paraffin and water or carbolic acid and water shall have been first put, to a depth of 3 inches or so, the collected shoots to be afterwards burned. 5. The grower shall do all this work to the satisfaction of the Board of Agriculture's or the County Council's inspectors. 6. A grower shall mean every commercial fruit grower, every amateur and gentleman, and every cottage gardener who grows gooseberries. 7. Every grower who fails to carry out the instructions as above detailed shall be liable to a fine of £20 for first offence and £50 for second. Imprisonment without option of a fine should follow a third or further conviction."

Among the Experiment Station Workers.

UNITED STATES DEPARTMENT OF AGRICULTURE YEAR BOOK FOR 1907.

This volume is made up of a number of papers on subjects of importance and interest to farmers and fruit growers. These papers should represent the latest developments of the subject of which they treat. There are interesting articles in this, for instance on the Improvement of Plants by Selection and Breeding, on Promising New Fruits, on the Details of the Enforcement of the Food and Drugs Act, on the Rabbit as a Farm and Orchard Pest, the Status of the American Lemon Industry, on Irrigation, on the Weather, Dry Land Farming and many other subjects all more or less related to the agricultural industries. Many of these papers are subsequently reprinted as separates and are distributed. There are printed of this volume 110,000 copies for the use of the Senate, 360,000 copies for the use of the House of Representatives and 30,000 for the use of the Department of Agriculture. Many farmers obtain it through their congressional representatives. It may also be obtained direct from the office of publication.

Gentlemen:

Many thanks for the answering of the questions as they were of quite considerable moment to us. We have already found the *NURSERYMAN* of the greatest value, every issue has saved us the price of a year's subscription.

TYLER BROS. NURSERY CO.

THE YOUTH'S COMPANION FOR CHRISTMAS.

There are good reasons why *The Youth's Companion* makes one of the best of gifts for Christmas time, for a birthday, for any occasion when a present is in order.

It Comes Every Week in the Year.

Nine out of ten Christmas presents have lost their novelty by New Year's. *The Companion* provides a continual pleasure, for it is renewed 52 times until Christmas comes again. Is there another present equal to it that costs so little—\$1.75?

The new subscriber receives free the double Holiday Numbers and *The Companion* Calendar for 1909, "In Grandmother's Garden," lithographed in 13 colors.

Full illustrated Announcement of the new volume for 1909 will be sent with sample copies of the paper to any address free.

THE YOUTH'S COMPANION,

144 Berkeley Street,

Boston, Mass.

from America should be sent to Europe and the price should be in reach of every laboring man and by doing this many times the quantity of fruit would be consumed.



The baling machine, simple and effective.

The Europeans are not fruit eaters like Americans and we as American fruit growers should cultivate their taste to our mutual advantage.

ORLANDO HARRISON, Berlin, Md.

KANSAS' SEASON UNFAVORABLE.

The following letter is evidence that all the bad weather in the country was not concentrated in the east, but there are always compensations, even in this instance, for we find that although the stock is low, the prices range high. The effect too of the excellent fruit crop in the south west will give an impetus to fruit planting for two or three years to come.

"The season here has been very bad for the growth of stock, owing to excessive rains which continued up into August, making it impossible to properly cultivate and care for the stock. This excessive moisture caused the foliage to drop and as a result we have had the poorest growing season and the lightest supply of first grade stock that there has been in years. To offset this there is a demand for it, all over the country and the prices are good. This in a measure helps us out some, but not enough to make it an average year. Trade has been good, in fact better than last year but we will not have nearly as much stock to put on the market as in former years. With a good trade this fall, stock will be very scarce for spring and prices should be better. An excellent fruit crop throughout the great south west has made the planters get busy again and this has been the reason of our good sales. This condition of affairs covers a great stretch of country in this south western region and the orchardists will have to be satisfied to set smaller trees than usual if they plant at all.

E. P. BERNARDIN.

Parsons, Kan.

NEW ENGLAND LOOKING UP.

Editor National Nurseryman:

The outlook for fall trade in New England is decidedly more encouraging than last year. The sales of Evergreens during August and September have been good and the demand for deciduous stock is quite brisk.

At the New England Nurseries, Bedford, Mass., large shipments of herbaceous perennials are being made, indicating the increasing demand for the old fashioned flowers.

[The New England nurseries were recently made a center of civic attraction by being thrown open to the Gardeners and Florists Club of Boston. The occasion was the autumn field day of that organization.]

Stock in general has made good growth, thanks to good and persistent cultivation. There is very little surplus stock and prices rule somewhat better than last year.

New England is fast becoming headquarters for high grade ornamentals of all kinds. Some of the finest blocks being found at Springfield, Framingham, Reading, Bedford and Newport.

Bedford, Mass. THE NEW ENGLAND NURSERIES, INC.

INDIANA "DRY": TRADE SATISFACTORY.

Editor National Nurseryman:

We have had one of the driest seasons we have ever experienced, having had no good rains since the middle of May. The early drought affected us much more than the later. While we have a fairly good stand in our spring planting, we have not the usual growth.

With good cultivation the one year and up stock has made almost the normal growth. The one year cherry, pear and apple are as good as we have ever grown.



Thujas and Sycamores. Storrs & Harrison Company.



A corner in the packing room of the mail order department.

Our retail sales are the largest we have ever had. Wholesale orders are coming in satisfactorily, and the general outlook is good.

C. M. HOBBS & SONS.

Bridgeport, Indiana.



Acres of bloom in the rose fields. Storrs & Harrison Company.

W. C. BARRY ON ROSES.

At the last meeting of the Society of American Florists, Mr. W. C. Barry of Rochester, presented an interesting paper on out-door roses. This paper is specially worthy of perusal and study for the reason that Mr. Barry is not only a lover of roses but an expert in their culture and in the knowledge of the various classes and varieties. For several years past he has made a personal study of roses in the grounds of the Mt. Hope Nurseries and is at the present time unquestionably one of the best qualified men to speak on this subject that we have in the country.

Mr. Barry recommends among the ever-blooming sorts, Baby Rambler, Killarney, Baby Dorothy, White Cochet and Charlotte Soupert.

For out-door use in exposed situations, Mr. Barry recommends Rosa Rugosa and its hybrids. This, he remarks, should be the rose for the million.

Among the hardy climbing roses he especially recommends Crimson Rambler, Dorothy Perkins, Lady Gay, Rubin, Hiawatha, and Leuchstern.

In the hybrid teas, Mr. Barry's experience leads him to mention favorably, Bessie Brown, Dean Hole, Florence Pemberton, Liberty and Mildred Grant. Mr. Barry also takes occasion to specially mention the Lyon rose of Pernet-Ducher. It is a hybrid tea with large globular pink colored, fragrant flowers. This article of Mr. Barry's is well worth the reading and study by all persons interested in rose culture.

STORAGE OF GRAPE VINES.

E. H. PRATT.

Read before the American Association of Nurserymen.

My remarks will be confined to the storage of grape vines, and, incidentally, to the increasing need of better methods of cold storage for all kinds of nursery stock. The rapid increase of the cost of labor and of all articles used by nurserymen in growing, packing and marketing their products makes it more and more imperatively necessary that there should be no loss of stock after it is matured and ready for market. It often happens that at the end of the spring sale season more or less merchantable stock remains on hand

unsold. If this stock is dug it will be almost a total loss and if undug another year's growth will make most of it unmerchantable. Can it be safely dug, and if unsold, carried over to the succeeding fall and spring and then sold in first class merchantable condition?

To solve this problem our company made the experiment which I am about to relate. On June 7, 1901, we packed three boxes of grape vines, mostly two-year, No. 1, each box containing about eight hundred vines, and sent them to the Buffalo Cold Storage Company, with instructions to hold through the summer boxes No. 1 and No. 2 at a temperature of 33 or 34 degrees Fahrenheit; box No. 3 at 28 degrees Fahrenheit. The boxes were 2 x 2 x 3 feet in size, made of ordinary half inch box lumber, lined inside with oiled paper to prevent evaporation of moisture. Sun dried moss was used in packing boxes No. 1 and No. 2, wet moss in No. 3 in same condition ordinarily used in packing. The vines were dug in October, 1900, stored in our storage cellars during the winter and spring of 1901 and were in a dormant condition when packed June 7, 1901. On September 26, 1901, the boxes were ordered returned to us, having then been in cold storage three months and nineteen days. On opening the vines all were found to be in the same dormant condition as when packed, with tops and roots in perfectly fresh, healthy condition, even to the small fibers on the roots, in every way in first class merchantable condition.

Our experiment might have successfully ended here, but we determined to carry it farther. The vines were therefore again planted in our storage bins and carried over until the spring of 1902. In March and April, 1902, part of them were used in filling orders, being then apparently as fresh and healthy as any vines we ever handled. To convince ourselves

beyond a doubt that the vines were actually in as good condition as they appeared, the remainder, about half the whole number, were planted the last of May in nursery rows in the usual manner of planting nursery stock. Almost every vine made a strong, healthy growth and was used in filling orders in the fall of 1902. I could see no difference in condition of the stock kept at different temperatures, but am of the opinion that had those kept at 33 or 34 degrees been packed in as wet moss as those kept at 28 degrees, the buds would have started somewhat.

The value of this experiment is simply to prove that grape vines, at least, and I believe all kinds of nursery stock



Looking after a small rose order.



Soil tenants brought to the surface by the subsoiler. Storrs & Harrison Company.



Corn is usually the first crop in the rotation when new land is brought into shape for nursery stock. Storrs & Harrison Company.

can safely be kept eighteen months in dormant condition, which means four sale seasons in the nursery trade. In practice it would usually be necessary only to carry over stock left on hand in the spring to be used in filling early fall orders and stock so held would in my opinion be in much better condition to transplant successfully than if dug in the unripe condition of the early fall. A comparatively small room in the storage plant of most nurserymen, if provided with artificial refrigeration, would carry through the summer all unsold matured stock and enable him to convert into cash the following fall that which now goes to the brush heap for his Fourth of July bonfire.

Since this experiment was made we have had no occasion to avail ourselves of what it taught us, but should the need arise we would not hesitate to repeat it on a much larger scale with entire confidence of success.

ONTARIO PROSPERING.

Editor National Nurseryman:

In regard to the nursery business here, the season was a favorable one in the early part, but excessive drought stopped the growth early and we shall probably not dig as heavily out of our younger blocks as usual. Heavy frosts early in the season have cut the foliage of grape vines so that we can dig them at any time when the ground is in condition, but up to this date, October 27th, we have not had enough rain to enable us to dig anything. We have simply let all our Fall business go by the board as it would have cost us as much to dig as the stuff is worth. I never saw the ground quite so hard at digging time.

Sales are fully up to the mark. In fact our sales are heavier than they ever were before at this date.

E. D. SMITH.

CONDITIONS IN NEBRASKA.

National Nurseryman,
Gentlemen:

We are unusually busy with out fall packing at the present time. Our fall business will exceed that of last fall, and every indication points to an unusually large springs business. Apple and cherry trees did not make up as we anticipated. Plum, peach and all other lines of stock have done unusually well. We have no reason to complain at the outlook and prospects in the west.

YOUNGERS & Co.

Our Book Table.

"ANOTHER HARDY GARDEN." Helena Rutherford Ely. 5 1/4" x 7 3/4". 243 pages, illustrated. The Macmillan Co., New York. 1905.

This book has the flavor of the true garden lover. It is written from the standpoint of personal experience. This is unmistakable, and as a record of garden experience deserves careful reading.

The vegetable garden and fruit garden are accorded a place in separate chapters. The discussion of trees and shrubs is presented in a fresh, original, and taking manner. It gives their value from the standpoint of the experience of the author. No less important nor less attractive than the foregoing chapters, are those on perennials, bulbs, autumn work, and the flower garden in spring. The whole work is, while unassuming, yet convincing in its directness. The illustrations are halftones from excellent photographs. The type is large and clear, and the whole make-up very attractive. There are few books that have come to our table in recent years that we feel like commending to the beginner in gardening so unqualifiedly as this last work from the pen of Mrs. Ely.

"SUCCESSFUL FRUIT CULTURE." By Samuel T. Maynard. Illustrated. 5x7 inches. 265 pages. Cloth. Price, \$1.00. Orange Judd Co., New York.



Subduing the land—Plowing, subsoiling and stoning.

Mr. Maynard, who was for many years professor of horticulture in the Massachusetts Agricultural College, writes from the standpoint of first hand, practical experience. The book contains very much that is useful to the amateur as well as the commercial grower. The leading orchard fruits are discussed in eight chapters. Following this, there are as many more chapters on the so-called smaller fruits. In addition, sub-tropical fruits, the propagation of fruit trees and plants, fruit under glass, insect pests, and fungus diseases are each treated in a separate chapter. The book is illustrated with line drawings and half ones. Unfortunately many of the latter are of poor quality and not well executed, and some of the former bear the ear marks of the trade catalogue. No doubt this book will be appreciated, and find a place among the thousands of small fruit growers throughout the United States. We are yet in need of a good book combining practical and systematic pomology in such a way that it may be used for class room purposes.



Good shipping facilities is half the battle in wholesale business. The Storrs & Harrison Company, Painesville, Ohio.

Fruit and Plant Notes.

DELICIOUS APPLE.

The following history of this interesting and valuable variety is presented by Pomologist Taylor of the United States Department of Agriculture in the Year Book for 1907.

"This variety first came to notice in the orchard of the late Jesse Hiatt, of Peru, Madison County, Iowa, about 1881. It was then a sprout, supposed to be about 6 years old, from the stock of a Yellow Bellflower tree, the top of which had been destroyed. The beauty and fine quality of the fruit attracted Mr. Hiatt's attention and he at once began its propagation in a small way for his own planting. The tree proved to be a hardy, vigorous, upright grower with very heavy, dark-green foliage, and a regular annual bearer. At 15 years of age the original sprout was reported to be 13 inches in diameter at the ground. The originator stated in 1896 that while three-fifths of his orchard had been destroyed by drought and cold during the preceding eight years, "Delicious" had not been injured in any respect. The name "Hawkeye" was at one time applied to the variety by the Hiatt family and locally used, but does not appear to have been published in connection with it and is therefore not entitled to recognition as a synonym.

The right to propagate and sell the variety for a term of five years having been sold to the Stark Brothers Nurseries and Orchards Company about 1894, with the right to re-name the variety, it was commercially introduced by that firm in 1895 under the name "Delicious," which word was registered in the United States Patent Office as a trademark July 4, 1905.

DESCRIPTION.

Form roundish conic, sometimes indistinctly ribbed and knobbed at apex: size medium to large; surface smooth, glossy, taking a high polish when rubbed slightly; color clear, translucent, pale yellow, washed over most of the surface with mixed red, striped and splashed with dark crimson, and in dry climates covered with a thin whitish bloom; dots numerous, small, yellow; cavity regular, of medium size, deep, russeted; stem medium to long, stout, curved, downy; basin regular, of medium size, depth, and slope, slightly furrowed and somewhat downy; calyx segments medium, converging, eye of medium size, closed; skin moderately thick, tenacious; core of medium size, oval, clasping, open; seeds numerous, plump, medium, brown; flesh yellowish, moderately fine grained, breaking, juicy; flavor mild sub-acid, quality very good. Season December to March, in Madison County, Iowa.

Though lacking such marked and distinctive quality as characterizes our best apples, such as Esopus, Jonathan, Northern Spy, Grimes, and Yellow Newton, this variety is acceptable to most palates and is apparently entitled to high rank as a dessert fruit. The tree is a strong, upright grower, apparently sufficiently productive to satisfy commercial requirements. In the locality of its origin it is apparently rather susceptible to apple scab and will therefore need to be thoroughly sprayed for that disease in cool

and humid climates. It has been fruited on young trees during the past four or five years in most of the apple districts west of the Mississippi River and appears to be specially promising in the Rocky Mountains and Pacific coast states.

Exhibitions

GREAT APPLE EXHIBITIONS.

COUNCIL BLUFFS AND SPOKANE.

Council Bluffs is to have an exhibition of fruits during the week of December 14-19. It is advertised that \$25,000 in premiums will be offered. This exhibition takes place under the auspices of a newly organized society called the National Horticultural Congress. This is probably for the specific purpose of exploiting the exhibition which will undoubtedly be a good thing for Council Bluffs.

NATIONAL APPLE SHOW ASSOCIATION, SPOKANE, WASH.

Spokane, Washington is preparing for a monster exhibit of fruit at its first annual festival, December 7-12, 1908. There are \$35,000 offered in cash premiums and other prizes for various displays. For instance \$1500 in gold is offered for a car of the best standard winter apples. Other prizes are on an equally generous scale.

THE SPOKANE APPLE EXHIBITION.

By the Management.

The apple industry is one of the big factors in the prosperity of the Pacific Northwest and to place this resource before the world there will be a festival under the direction of the National Apple Show, Inc., in Spokane, Dec. 7 to 12, at which the competitions for prizes aggregating, \$35,000, including 12 two, five and 10-acre tracts of irrigated land with perpetual water rights, valued at \$15,000, are open to the growers of the world.

The state armory, 150x150 feet, recently erected at a cost of \$100,000, having 13,500 feet of floor space, will be surrounded with temporary structures, giving 55,000 additional square feet of space for the display of apples pledged by growers from every state and district on the continent and several in Europe, Australia, the Pacific Islands and the Orient. No exhibitor will be required to pay fees or entrance money in any of the competitions.

The chief prizes are \$1,500 for the best carload exhibit and \$1,000 for the best individual exhibit by any grower, district, county, state or province. There are also several hundred prizes ranging from \$500 to \$1 and hundreds of trophies, medals, ribbons, diplomas and special awards. These will be awarded by the foremost experts of the United States, Canada and Europe acting as judges. Two hundred and fifty-one varieties of apples are listed as eligible to compete for prizes in plate exhibits, and there will be cash and other premiums and diplomas for exhibits of by-products, such as butter, jelly marmalade, cider, vinegar, preserves, pickles and evaporated and sun dried fruit.

A carload exhibit, competing for the \$1,500 prize, calls for 210 barrels or 630 fifty-pound boxes of one or more varieties, while the \$1,000 premium is for exhibits of not more than two barrels, boxes, baskets or plates of one variety. The exhibitor of the largest apple, of regular shape with perfect stem and calyx and without disease or blenish, will receive a reproduction of the fruit in bronze, heavily plated with gold, mounted on a silver pedestal representing Adam and Eve in the garden of Eden.

There is also a prize of a gold medal and \$100 for a box, barrel or package that is more practicable, economical and better adapted for shipping apples than those now in use, and prizes of \$350 each for apples grown on irrigated and nonirrigated lands, also awards of \$100 each for the best box and barrel packs. One hundred dollars in prizes will be given to the best individual plate exhibit of five apples grown by women, and \$25 for the best exhibit of two or more apples proved to have been preserved the longest in cellars or cold storage without artificial means.

OTHER EXHIBITIONS.

DUTCH BULB GROWERS' SOCIETY.

The bulb growers of Holland are preparing for a great exhibition to commemorate the half-centenary of the organization of their society. This will take place in Haarlem in 1910. This exhibition will be supported by the city of Haarlem as well as by the society itself. The organization, however, is a strong one including as it does, a membership of 2800 growers. The annual report issued is a large volume of over 1000 pages. This exhibition will consist of a display of out-door flowers and the city is laying aside a desirable piece of ground whereon the display may be arranged.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

To the Members of the Society:

At the fifty-fourth annual meeting of this Society, to be held in the large new Convention Hall, Rochester, N. Y., January 27th and 28th, 1909, CASH PRIZES will be offered for exhibits of apples, pears, grapes, etc., as per schedule appended hereto.

The premiums are open for competition to all members of the Society for 1909, and entries may be made with the secretary in person or by letter, any time prior to January 15th, 1909.

Instructions to be observed by exhibitors will be sent out with the program of the meeting early in January next.

It is believed that the offering of prizes for exhibits will encourage a large number of exhibits, and thus enhance the growing interest in the annual meetings of the Society, as well as to attract other fruit-growers to its membership.

Fraternally yours,

JOHN HALL, Sec'y-Treas.

Rochester, N. Y.

PEACH TREES FOR SALE.

A limited stock of standard varieties of peach trees will be closed out at reasonable rates. Apply at once to Peach Trees, office of NATIONAL NURSERYMAN, Rochester, N. Y.

Note and Comment.

WATROUS NURSERY COMPANY PACKING CELLAR.

The Capital City Nurseries of Des Moines are just completing a large packing cellar which will enable them to handle stock at all times of the year. As the President of the company says, "equipment of this kind is of the kingdom of successful competition."

GEORGIA FRUIT EXCHANGE.

The peach growers of Georgia have effected an organization looking towards the more satisfactory and profitable marketing of this fruit. The object of the organization is to prevent market glutting, secure an even distribution of the fruit and in this way raise the average price of the crop for the season. A charter is being drawn up for submission to the state authorities. It is then intended to raise a working capital of \$100,000 by issuing stock. The permanent organization will be located in Atlanta. It will operate through local branches which are expected to completely cover the state.

PARAGRAPHS CULLED AND COPIED.

LA CROSSE, WIS.—The John A. Salzer Seed Co. has received an order for several thousand pounds of timothy, redbtop and orchard grass seed for Yokohama, Japan, with instructions to have same shipped via the Suez canal.

BISMARCK N. D.—Oscar H. Will & Co. are just completing a fine new wing to their seed warehouse and have made considerable improvements in all the departments.

C. G. Nieman, of Port Clinton, O., who has heretofore purchased his stock from nurseries, has made arrangements to start a nursery of his own.

W. F. Chessley, an agent for Rice Bros. Co., nurserymen of Geneva, N. Y., who it is alleged, has been collecting money through Maine and failed to give credit for same, was arrested.

Harvard College has recently made another addition to the land it is acquiring in Worcester County for forestry purposes, having purchased the Dexter estate of forty-three acres.

Hoyt Bros., nurserymen at Scotch Grove, Ia., put up a winter scene with evergreens and imitation snow at the recent fair at Monticello, Fla. The exhibit made a hit.

SAN DIEGO, CALIF.—E. Benard has removed his sales yard from the corner of Sixth and D streets and hereafter orders for nursery stock, roses, olives and plants will be filled direct from his extensive nursery just east of the Mission Valley city pumping station, or they can be sent to R. F. D. No. 2, San Diego, Calif., where he now spends his whole time.

Charles Henderson of Peter Henderson & Co., New York, who has been in Europe with his family during the last three months, has returned to the city. Mr. Kirby, of the same house, who has been in London the last six weeks, is also at home.

H. Frank Darrow, New York, reports that Eugene Schaettel, representing Vilmorin, Andrieux & Co., Paris, France, arrived September 26 and made his usual trip through the United States and Canada.

PERSONAL AND GENERAL.

Mr. James M. Kennedy, the extensive nurseryman of Geneseo, N. Y., recently visited the Toronto Exhibition and dropped into the business office of the Nurseryman on his way home. He reports a season of excellent growth during the fore part but rather dry recently.

August Rölker & Sons report that American importations of nursery stock are not quite up to par this year, although there is a fine line of goods offered in English and European nurseries, the only shortage existing, being in apple seedlings. They report that Fromow & Sons, of Windlesham, England have a fine line of rhododendrons, conifers and deciduous ornamentals for the autumn trade.

Legislation.

DECISIONS OF THE BOARD OF GENERAL APPRAISERS.

No. 19667.—EVERGREEN SEEDLINGS—TRANSPLANTED HOLLY PLANTS.—Protest 295035 of Jackson & Perkins Company.

Holly plants, classified as evergreen seedlings under paragraph 252, tariff act of 1897, were claimed to be dutiable under the provision of the same paragraph for nursery or greenhouse stock. Protest overruled.

Waite, General Appraiser: The question involved in this case was discussed by the Board in G. A. 6169 (T.D. 26772), wherein the conclusion was reached that the provision for evergreen seedlings in paragraph 252 is not restricted to plants of a coniferous nature, but applies to seedlings of all plants that are "evergreen"—that is, which retain their greenness or verdure throughout the year, as distinguished from those which are deciduous, or which lose their foliage every year. The above decision has been affirmed by the circuit court (153 Fed. Rep., 916; T.D. 28183) and by the circuit court of appeals (T.D. 28953). The holly, according to this distinction, belongs to the class of evergreen plants, and it is so characterized by the Standard and Century dictionaries.

The importers also contend that the word "seedlings" applies only to plants "in the seed bed, which have not been transplanted," and that the holly plants in question are not properly classifiable as seedlings, inasmuch as they have been "transplanted from the seed bed and grown on for two seasons." It was held by the Board in G. A. 5305 (T.D. 24305) that the word "seedlings" applies to plants grown from the seed, as distinguished from those propagated by cuttings, budding, or grafting, irrespective of whether or not they had been transplanted. No appeal having ever been taken from this ruling, it will govern in this case.

No. 19651.—RHODODENDRONS.—Protests 302447, etc., of R. F. Downing & Co. (Boston).

Rhododendrons, classified as nursery or greenhouse stock under paragraph 252, tariff of 1897, were claimed to be dutiable as evergreen seedlings under the same paragraph on the authority of United States vs. Ouwerkerk (T.D. 28953), in which it was held that seedlings of certain species of laurel and rhododendrons which retain their verdure throughout the year were so dutiable. Protest overruled.

Waite, General Appraiser: The merchandise before us here is certain-named varieties of rhododendrons, and it appears from the appraiser's report and other evidence to which the Board has access that plants such as these are never grown from the seed, but are always "grafted or layered plants," there being only three species of the rhododendron grown on the invoices under consideration. The plants in these importations not being seedlings, the decision above cited is not applicable thereto, and we therefore hold the goods have been properly assessed as nursery stock.

No. 19652.—EVERGREEN SEEDLINGS.—Protest 182088 of F. H. Shallus (Baltimore). Opinion by Waite, G. A.

On the authority of G. A. 6169 (T. D. 26772) certain rhododendrons, evergreen seedlings, hollies, etc., were held dutiable as evergreen seedlings under paragraph 252, tariff act of 1897, as claimed by the importers. An item of azaleas was held to have been properly classified as such under paragraph 231.

INFORMATION WORTH WHILE.

Editor National Nurseryman:

"We appreciate your splendid September Number, it is timely, up-to-date. Your editorial 'Fungi Cellars' we have duplicated and passed to all our stock men and branch plants. Your caution should save annually thousands of dollars worth of stock."

SUBSCRIBER.

[The editor says thank you.]

Apple Markets.

FOREIGN APPLE MARKETS.

Latest cable, as well as, mail advices from the principal apple markets of Great Britain would indicate that fine red varieties of American and Canadian apples, that landed in good condition, have brought fairly good prices, but a great percentage of the arrivals were out of condition and such brought irregular prices. The London market continues to show some improvement but not at all as good as the Northern markets. In London, Ben Davis, Baldwins and other red varieties of American apples brought \$2.25 to \$2.50, out of condition parcels less. Arrivals of Americans are very light, but rather free shipments from Canada. The Liverpool market is fairly good; arrivals rather liberal, principally Canadians. Sound parcels brought good prices. American Baldwins sold for \$2.50 to \$3, Kings \$3.50 to \$4.50, Greenings, \$2.50 to \$3, Ben Davis' \$2.25 to \$2.75, out of condition parcels took a range from 50 cents to a dollar a barrel less money. The Glasgow market again shows up well; Kings brought from \$4 to \$5, Baldwins \$2.50 to \$3, Greenings \$2.50 to \$3, and various other red varieties from \$2.25 to \$2.50.

SHIPMENTS FOR THE WEEK ENDING OCT. 10, 1908.

The shipments this week from all Atlantic ports were again liberal amounting to 101,470 bbls., and for corresponding period last year were 111,125 bbls. The detailed shipments were as follows:—From Boston, 12,022, New York 17,484, Montreal 37,583, Halifax 34,382 bbls. It will thus be seen that Canada shipped about 70% of the whole quantity. The total shipments since the opening of the season amount to 374,567 bbls. and for last year were 362,134 bbls., and for 1906 were 342,476 bbls.

OPINION.

I am inclined to the opinion that unless shipments get too excessive, present prices are likely to be sustained in England for strictly fine fruit, but great care should be used in shipping only good hardy fruit. So much early maturing fruit has been shipped that it is a wonder the prices realized were as good as they have been. Now that the weather is growing cooler, I am looking for arrivals out to land in better condition.

BOSTON APPLE MARKET.

Our markets continue fairly good. Arrivals are somewhat more liberal, especially Gravensteins from Nova Scotia which have sold from \$2.25 to \$3 for No. 1's and No. 2's \$1.50. Apples from Nova Scotia consist almost entirely of this variety. Domestic apples such as Alexanders \$2.50 to \$3, Gravensteins \$2.50 to \$3.50 Mackintosh Red \$2.50 to \$3.75, Snows \$2 to \$3, Wealthys, \$1.50 to \$2.50, Twenty Ounce \$2 to \$2.50, Greenings \$2 to \$2.25, Harveys \$2 to \$2.50, Hubbardstons \$1.50 to \$2. Pound Sweets \$2.25 to \$3, Common sorts \$1.00 to \$1.50. Geo. Cochrane, Boston.

NEW YORK APPLES SELLING.

It was reported as early as October 3d that practically all the apples in Western New York had been purchased, but it strikes us that this report was rather premature and somewhat inaccurate. The hot weather has checked growth, added color and increased the number of drops. Its ultimate effect will be that the keeping quality of the fruit will be considerably shortened.

WESTERN APPLE NOTES.

While Hood River apple men report that sales thus far have been satisfactory, there is on the other hand a feeling of unrest with regard to the general outlook. Hot weather has prevailed in that section, hastening the maturing period very materially, and this coupled with the prevailing low market price in the East and the slowness with which buyers appear, raises the question whether Western men will be obliged to store their fruit this year pending the advance of prices or whether they will sell at considerably reduced figures. In a case of this kind the man who is a long way from the consuming end is rather at a disadvantage.

PEAR BLIGHT REMEDY.

It is interesting to note that a Pear Blight Remedy Company is located in California. This company agrees to furnish a remedy which will cure and prevent pear blight. No doubt the division of Pathology of the Department of Agriculture at Washington will be keenly interested in this piece of news! It is our impression that there will be more money in it for the promoters than for the orchardists.

NEW YORK APPLE CROPS.

Secretary E. C. Gillett of the New York State Fruit Growers Association estimates the apple crop of New York state to be 93 percent of last year's yield and 60 percent of an average crop for the state. These estimates have been secured by extensive correspondence. It is interesting to note that Mr. Gillett's estimates do not differ to any considerable extent from those offered by the committee of the Inter-national Apple Shippers Association.

SOUTHERN NURSERYMEN'S CONVENTION.

The following were present at the last meeting of this association at Atlanta:

McElveen & McLendon Company, Concord, Ga.; Southern Nursery Company, E. W. Chattin, Winchester, Tenn.; Chase Nursery Company, Huntsville, Ala.; Alabama Nursery Company, Huntsville, Ala.; Fraser Nursery Company, Huntsville, Ala.; W. L. Killian & Son, Newton, N. C.; P. B. Simmon, Gainesville, Ga.; H. Harold Hume, Glen St. Mary, Fla.; J. R. Murphy, Fayetteville, Ga.; H. K. Miller, Monticello, Fla.; B. Thornton, Fayetteville, Ga.; R. C. Simpson, Monticello, Fla.; C. M. Erwin, Columbia, Tenn.; R. E. Allison, Bowling Green, Ky.; Harry Nicholson, Winchester, Tenn.; John A. Young, Greensboro, N. C.; J. Van Lindley, Pomona, N. C.; J. A. Granger, Monticello, Fla.; Charles T. Smith, Concord, Ga.; Mortimer Thompson, Concord, Ga.; J. W. Geraty, Young's Island, S. C.; A. A. Newson, Knoxville, Tenn.; A. I. Smith, Knoxville, Tenn.; W. T. Hood, Richmond, Va.; John Galhouse, D. W. Hunter, Chattanooga, Tenn.; W. F. Heikes, Huntsville, Ala.; J. C. Miller, Rome, Ga.; James Frazer, Huntsville, Ala.; W. A. Easterly, Cleveland, Tenn.; E. L. Worsham, Frank Smith, Concord, Ga.; James Cureton, of Austell, Ga., and others.

Obituary.

GEORGE NICHOLSON.

The English papers have recently recorded the death of a noted botanist and horticulturist, in the passing of George Nicholson for many years curator of the royal gardens at Kew. Mr. Nicholson was born in 1847 and was the son of a nurseryman. He was trained in French nurseries and later was employed in the nurseries of Messrs. Low & Company at Clapton, England. He became associated with the Kew Gardens in 1886 and soon after was recognized as a leading authority on hardy trees and shrubs. Nomenclature was his specialty. His connection with the Kew Gardens gave him the opportunity to collect material for the Dictionary of Gardening, a cyclopedic work of great value. This was issued some twelve or fifteen years ago and until the appearance of the American Cyclopaedia of Horticulture was the leading modern work of its kind.

Mr. Nicholson was an energetic plant collector and did much field work in the Swiss Mountains. His loss will be keenly felt by Americans as well as European botanists and horticulturists.

Catalogues Received

Harlan P. Kelsey, Salem, Mass. Wholesale price list of rhododendrons, azaleas and other strictly hardy American plants.

Leslie Brothers Nurseries. Peterson and North 40th Avenue Chicago, Ill. Catalogue of ornamental trees, shrubs and herbaceous plants.

Oak Lawn Nurseries. Huntsville, Alabama. Wholesale price list, shade trees hardy flowering shrubs, cuttings, climbers, etc.

Thos. Meehan & Sons. Germantown, Pa. Price list of seeds of trees, shrubs and fruits. One of the few trade lists of this kind in this country.

The United States Nursery Company. Richmond, Miss. Trade list for fall of 1908 and spring of 1909, covering shrubbery, roses, and herbaceous plants.

Willadean Nurseries: Semi-annual wholesale price list. Donaldson company, Warsaw, Ky.

L. Spath, Baumschulenweg, b. Berlin, Germany. An extensive catalogue and descriptive trade list including the whole range of nursery grown products.

Otto Katzenstein & Co., Atlanta, Ga. Trade Price list Number 12. Tree, shrub, seeds and bulbs.

Glen Saint Mary Nurseries, Glen Saint Mary, Florida. Catalogue for 1909, specialties citrus fruits and pecan trees.

Fraser Nursery Company, Huntsville, Ala. Wholesale catalogue for the fall of 1908.

The L. Green & Son Co., Perry, O. Catalogue No. 1. Wholesale only.

Old Colony Nursery, T. R. Watson, Plymouth, Mass. A trade list of the fall of 1908, ornamental trees, fruit trees, small fruits, herbaceous plants, roses, etc.

Sears Henry Company, Geneva, N. Y.

B. G. Pratt Co. Mfg. Chemists, 50 Church St., New York.

Jackson Co. Nurseries, Bosky Dell, Ill.

Storrs & Harrison Co., Painesville, Ohio. Semi Annual Trade List.

W. N. Scarff, New Carlisle, Ohio.

Vincent Lebreton, Nurseryman, Wholesale trade list, presented by McHutchison, & Co., 17 Murray St., New York.

John Charlton & Sons Co., Rochester, N. Y.

Leedle Floral Company, Springfield, Ohio.

Stephen Hoyt & Sons, New Canaan, Conn.

C. M. Hobbs & Sons, Bridgeport, Ind.

Peterson Nurseries, Chicago, Ill.

Elizabeth Nursery Co., Elizabeth, N. J.

The New England Nurseries Inc., Bedford, Mass.

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y. Wholesale price list for fall 1908.

Foster & Griffith, Fredonia, N. Y. Wholesale price list, Grape Vines.

J. W. Addams & Co., North Main St. Nursery, Springfield, Mass. Wholesale trade list.

Wholesale catalogue from Waukegan Nurseries. R. Douglass, Sons, Waukegan, Ill. Specialty, hardy and rare evergreens, and shade trees.

Price list for 1908-09 from Herman Sievers Halstenbek in Holst. Waldsomen, Handlung und Baumschalen, Germany.

Abridged check list of stock suitable for Fall planting. Elm City Nursery Co., New Haven, Conn.

Surplus list from Sears, Henry & Co. Seneca Nurseries, Geneva, N. Y.

Gainesville Nurseries, H. S. Graves, prop. Gainesville, Fla.

Folder from W. W. Rawson & Co. 5 Union Street, Boston, Mass. Special offer to florists.

James Sons, Ussy, France.

Catalogue and price list of Summit Nurseries, Miller & Gossard, Monticello, Fla. Pretty cover of pecans coming out of burrs. Finely illustrated.

WANTED.

A YOUNG MAN STENOGRAPHER who can assist with correspondence and prepare himself for advancement. Experience in Agency Nursery office essential. State age, experience, present employment, and salary.

Address "OPPORTUNITY," care this paper.

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

1857-1908

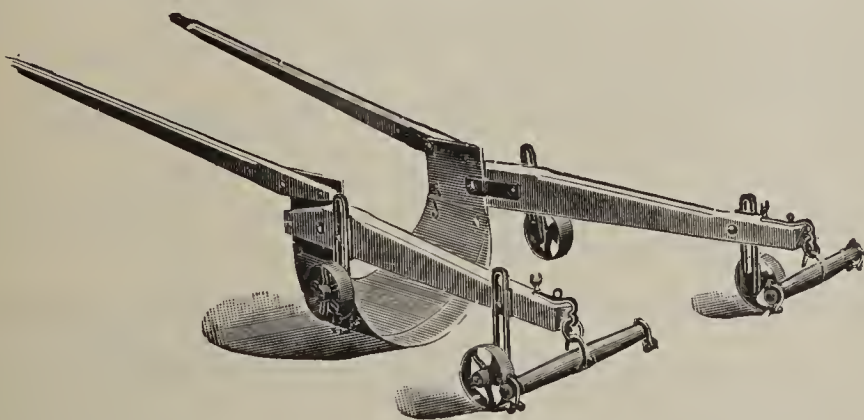
L. G. BRAGG & CO.

Growers of

No. 1 NURSERY STOCK

Also Manufacturers of

Bragg's Common Sense Tree Digger



DIGGER gets all of the roots at the rate
of 20 to 40 thousand trees per day, and
only needs same power as a plow.

L. G. BRAGG & CO.
KALAMAZOO, MICH.

When writing to Advertisers mention The National Nurseryman.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

When writing to Advertisers mention The National Nurseryman.

SILVER LEAF NURSERIES

We offer a general line of Nursery Stock for Fall 1908 and Spring 1909. Heavy on 1 year Peach, 2 year Pear, 2 year Cherry, 1 and 2 year Plum.

Especially heavy on the following:

PEACH:—Sneed, Greensboro, Mamie Ross, early and late Crawford, Smock, Old Mixon F., Elberta.

PLUM:—Wild Goose, Red June, Burbank, Wickson.

CHERRY:—Early Richmond, Dye-house, Governor Wood.

PEAR:—Kieffer, Garber, Duchess.

Your orders, large or small solicited.

C. C. DAVIS
ROSE HILL, VA.

The Willadean Nurseries

OFFER FOR FALL 1908

A large assortment of Fruit, Shade, Ornamental and Weeping trees, Shrubs, Vines. Evergreens, Roses, Herbaceous plants, and Forest Tree Seedlings in large quantities. Tree Seeds we will have our usual supply. Send for list.

Large stock of Snowballs, Weigelias, Berberis, Spirea Van Houtti and other shrubs from 2 to 8 feet. Special prices on above.

Trade list ready Sep't. 1st, send for copy.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

SURPLUS

Dorothy Perkins Roses Jackmani Clematis
TWO YEAR NO. 1
SEND FOR PRICES
GEORGE BROS., Penfield, N. Y.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr., MONTICELLO, FLA.

A BARGAIN IN STANDARD PEARS.
Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere
Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



HEIKES--HUNTSVILLE--TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

**ROSES - SHRUBS - CANNAS - PHLOX
JAPANESE IRIS - HERBACEOUS PAEONIES**

All Field Grown - Big Money *VALUES*

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas, Climbers, Ramblers, —THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

The United States Nursery Co.
RICH - Coahoma County - MISS.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

The Winfield Nursery Co.

Of Winfield, Kansas

OFFER YOU FOR FALL 1908

Mahaleb Home Grown—

A full line of Forest Seedlings and Shades, including Honey Locust, Black Locust, Soft Maple, Elm, Box Elder, Ash, Speciosa, Catalpa, etc.

2 year Assorted Cherry, best on the market.

Keiffer, Clapp's Favorite and Garden Standard Pear, 1 and 2 year.

500 Choice Bungei Catalpa budded 7 to 8 ft., 1 yr. heads, 1¼ to 1¾ inch stems.

Apple and Pear Seedlings

The Winfield Nursery Co.

WINFIELD, KANSAS

B. E. Fields & Son

Fremont Nurseries
FREMONT, NEBR.

Offer For
Late Fall Shipment 1908
Spring 1909

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS, also a nice block of NATURAL PLUM. 500,000 GRAPES, CONCORD and CHOICE varieties, in 2 year No. 1 and 1 year No. 1.

ELM and MAPLE

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar, 1 and 2 years. Branched and Whips.

CATALPA and ELM SEEDLINGS

Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

WRITE FOR PRICES

BALTIMORE NURSERIES

Franklin Davis Nursery Company
BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

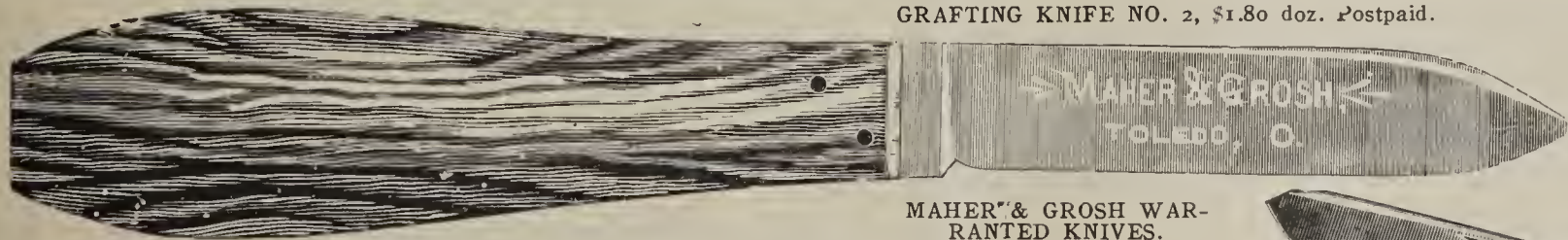
LEVAVASSEUR & SONS

Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.

GRAFTING KNIFE NO. 2, \$1.80 doz. Postpaid.



Pocket Grafting Knives, 30, 40 and 50c. each. Nursery Pruner, 50c. postpaid. Nursery Budder, 25c. postpaid. Pocket Budder, 35c. postpaid.

The FLORIST KNIFE—No. 89, as shown, 50c.; 6 for \$2.50. No. 89 ½ has grafting point blade, same price. These blades are equal to any razor in fineness.

Send for 12 page Nursery Tool Catalogue.

MAHER & GROSH CO., 90 A St., TOLEDO, OHIO

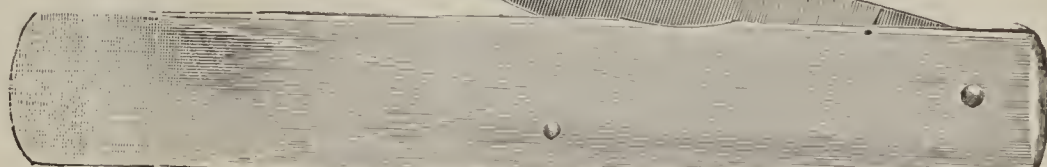
FLORISTS' KNIFE

White Handle

No. 89

50c. postpaid

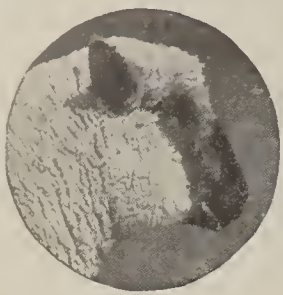
MAHER & GROSH WARRANTED KNIVES.



When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company
AURORA, ILLINOIS

Alma Nurseries, Oudembosch, Holland

Proprietors { U. J. Heerma Van Voss, Czn. | Successors to H. W. Van der
H. A. M. Swellengrebel. | Bom & Co. No connection with
any other firm of similar name.

Large stock of Ornamental Trees and Shrubs,
Conifers, Evergreens, etc.

First-class Stock Only. Prices Reasonable.

Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR., Mt. Vernon, N. Y.

Ask for our General Catalogue and special offer.

NEW ROSE

NEWPORT FAIRY

Field grown stock, 3---4 shoots
3---4 feet long

JULIUS ROCHRS CO.
Rutherford, N. J.

SIMPSON

is the name of the men who
grow the finest

CHERRY

that can be produced by suitable soil,
climate and expert knowledge.

Take a look at the stock or ask for a
sample and be convinced of the *extra*
quality of their

TREES

H. M. Simpson & Sons,
Vincennes, Indiana

Specialties

PEARS, Kieffer—PEACHES, all grades, in large
assortment—CHERRY—PLUMS, European
and Japan.

EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper
Norway Spruce Pyramidalis
All in large sizes.

BLACK LOCUST
SEEDLINGS

GOLDEN WILLOW
in small sizes

Silver Maple, American Elm, Catalpa,
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery
Company**
—TROY, OHIO—

Nursery Stock grown at Dansville, N.Y. and Troy, O.

THE NEW
HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost
J. W. McNARY,
316 W. Fourth Ave., Dayton, Ohio.

North Carolina Natural
PEACH SEED



Write for sample
and special prices.

Clark Nursery Co.
Rochester, N. Y.

"You Get What You Order."

PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED,
crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,
4th Ave. & Clinton St., BALTIMORE, MD

ESTABLISHED 1859

PEACH SEED

We are now prepared to furnish the Virginia Natural Peach Seed
Crop 1908—These seeds have for ½ a century proven to be the best
seed, as we can show from our testimonials from the leading
Nurseries of the country.—Get your seed early—as early planting
produces the best results.—Later on we will be able to supply Tenn.,
N. C., and other Southern seed, if to be had. Send for catalog and
testimonials.

W. W. WITTMAN & CO.,
117 Hanover St., Baltimore, Md.

P. O. Box "451"—C. & P. Phone—St. Paul "4382."

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,
Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias
Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

PEACH SEED

I still have a few hundred bushels of 1907 crop peach
pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit
and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc.
Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.

Roses-Season 1908-9



Fall Price-List now ready.
Own roots, summer grown.
400 sorts, 2½ and 4-inch.



THE **LEEDLE** FLORAL COMPANY®
SPRINGFIELD-OHIO.

R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Fall 1908 and Spring 1909

Peach Trees of all the leading varieties,
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens
London Planes,
Acer Schwedleri,
Lime Dasystylla,
Horse Chestnuts—red
and white flowered,
Thorns—Paul's Scarlet,
Large leaved Elms, Etc.
Catalogue 1908-9 now ready,
will be sent on
application.

GROENEWEGEN & SON
ROYAL NURSERIES
DE BILT
near Utrecht
HOLLAND

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from
buyers of June Budded peach, plum and apricot. We will bud especially
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring de-
livery. Write for wholesale price list. We have fine well branched stock, grown
especially for the Nurserymen's Retail trade, and offer prompt and satisfactory ser-
vices. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and
American Sycamore in surplus, with other ornamental stock. Trade list ready
August the first.

VALDESAN NURSERIES.

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

W. W. THOMAS

THE STRAWBERRY PLANT MAN
ANNA, ILLINOIS

200 ACRES IN PLANTS]

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

ESTABLISHED 1845

Bryant's Nurseries

PEONIES

50,000 to offer for fall of 1908.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

Ornamental Shrubs

all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON

PRINCETON, ILLS.

When writing to Advertisers mention The National Nurseryman.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,

NURSERYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry. Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size.

Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted.

Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up
" " 3-4 to 1 in. " " 5-8, to 3-4, and
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

For Sale

50,000 American Oak Seedlings in ten leading varieties, also other varieties of Forest and Shrub Seedlings, Hardy Herbaceous plants, etc. Would exchange for Roses, Paeonias, Hardy Phlox and Forest Tree Seed.

D. W. BABCOCK, Box 222, Berlin, Md.

When writing to Advertisers mention The National Nurseryman.



Everything in
Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

We are Prepared to Handle Your Orders

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

SPECIAL—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

DUNDEE NURSERIES

D. HILL, Prop.

DUNDEE, ILLINOIS

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For FALL 1908 and SPRING 1909
GRAPE VINES AND CURRANT PLANTS
GRAPE AND CURRANT CUTTINGS
CORRESPONDENCE SOLICITED

SURPLUS CATALPA

5,000 Catalpa Speciosa, 6 to feet 10

5,000 Silver Maple, 6 to 8 feet

30,000 Pear, 1 yr., 3 to 4 feet

Special prices on Carload Lots.

Would exchange for some other stock.

G. S. PICKETT & SON, Clyde, Ohio

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

FALL OF 1908

New Trade Sheet and Scion List Just Out. WRITE FOR THEM.

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL

W. Fromow & Sons

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holley, etc. Our latest SPECIAL OFFER was mailed in September; for further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.

J. H. SKINNER & CO.

Successors to

Peters & Skinner

Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON,

Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs, Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks, Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, NEB.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa, Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

WRITE FOR PRICES

Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,

are conceded by all who know to be the only Levels on the market which meet all the requirements, at the price.

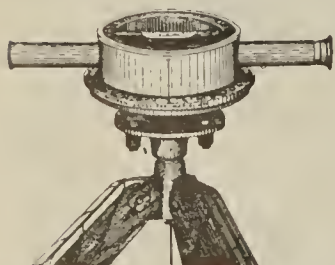
Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO.

133 MADISON AVENUE, ATLANTA, GA.

When writing to Advertisers mention The National Nurseryman.



The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Fall '08, one of the Most Complete Assortments in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan, and Native Plum, Peach, Ornamental Trees and a fine lot of Poplars, including 1 yr. whips, 3 to 7 ft. Lots of shrubs, vines, roses, evergreens, herbaceous and perennial plants. Also a nice lot of 2 yr. grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN .
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Fall 1908 and Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2 yr., Champion, Orange, Meeches & Reas, exceptionally fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.

Southern Grown SHADE TREES

26 years' experience in producing nursery stock for Southern needs has given Glen Saint Mary Nurseries Company leadership in this field. Over 800 acres of ground and extensive experiment operations. Constant adherence to the watchword "Trees True to Name" is a cardinal principle.

The Glen St. Mary Nurseries offer specially select stock in Magnolia, Tulip, Camphor and Umbrella trees. Their stock of Figs, Peaches, Pecans and Citrus fruits is extensive and maintains the highest standard.

Amoor River Privet

In large quantity and highest quality. Glen St. Mary Nurseries products are widely known by reason of their superiority and we invite correspondence from nurserymen who are in the market for any of our specialties or standard stock.

Send us a list of your requirements
Prices consistent with quality of Stock

Glen Saint Mary Nurseries Company
Glen Saint Mary, Florida.

G. L. TABER, President and Treasurer
H. HAROLD HUME, Secretary

WANTED

A competent Nurseryman who understands the growing and handling of nursery stock. A good opening for the right man. Married man preferred. For further particulars address "Z," THE NATIONAL NURSERYMAN.

Nurseries in the Genesee Valley.



Dept.
M

RHODES MFG. CO.,
GRAND RAPIDS, MICH.

The only pruner made that cuts from both sides of the limb and does not bruise the bark. Made in all styles and sizes. We pay Express charges on all orders. Write for circular and prices.

Dept. M. **RHODES MFG. CO., GRAND RAPIDS, MICH.**

Advertising in the National Nurseryman
is a paying proposition.

LABELS FOR NURSEYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

When writing to Advertisers mention The National Nurseryman.

STARK BRO'S NURSERIES & ORCHARDS CO

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST
ESTABLISHED 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality crucible steel; prevents all twist and spring.

A boy can pull trees loosened by the adjustable lifter.



Instantly Adjustable.
Strong, LIGHTEST Draft

Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

Write for Descriptive Circular and Prices

Gen'l Offices, Nurseries, Packing Houses
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia
Fayetteville, Ark. Portland & Dansville, N. Y.

Storage Capacity 1,000 Car Loads

A GENERAL LINE of NURSERY STOCK

California Privet and Asparagus Roots

I HAVE ABOUT 1,300,000 CALIFORNIA PRIVET one and two years old and 300,000 Asparagus Roots to offer for Fall and Spring delivery. I also have a quantity of Cut Leaf Birch 4 to 10 feet, Sugar Maple from 1 1/2 to 2 inch cal. and Hydrangea P. G. from 2 to 3 feet, extra heavy. This stock is grown right and will be graded right.

I trust you will let me quote you on what you need before ordering elsewhere.

C. A. BENNETT

ROBBINSVILLE,

NEW JERSEY

TWO CAR-LOADS

RHODODENDRONS MAXIMUM

Nursery grown, transplanted stock 2 to 4 feet to "highest bidder."
Fall Delivery.

MILFORD A. RUSSELL

Altifirma Nursery,

Highlands, N. C.

When writing to Advertisers mention The National Nurseryman.

Pratt's "SCALECIDE" Soluble Petroleum

TRADE MARK REG. U. S. PAT. OFF.

Will Positively Destroy **SAN JOSE SCALE** and all Soft Bodied Sucking Insects Without Injury to the Tree

SIMPLE, MORE EFFECTIVE AND CHEAPER THAN LIME SULPHUR.

Not an experiment.—Write for FREE sample and endorsements of leading fruit growers and entomologists who have used it for years.

PRICES:—50 gal. bbl. \$25.00; 30 gal. tin, \$15.00; 10 gal. can, \$6.00; 5 gal. can, \$3.25; 1 gal. can, \$1.00 f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.

Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper.

B. G. PRATT COMPANY, Mfg. Chemists, Dept. B., 50 Church St., New York City

Special for Fall, 1908

STANDARD AND DWARF PEAR—2 Yrs.
CHERRY, PLUM AND QUINCE—2 Yrs.
NORWAY MAPLES, 8 to 10 Ft.—Fine

No Scale has ever been found in this County
CLOSE PRICES FOR EARLY ORDERS

JAMES M. KENNEDY, Agent
DANSVILLE LIVINGSTON CO., N. Y.

ARCADIA NURSERIES

Monticello, Fla.

Growers of General Fruit and
Ornamental Trees in Quantity

High Grade PECANS our specialty

EVERGREEN

AND

FOREST TREE SEEDLINGS

IN LARGE QUANTITIES

A FULL LINE OF

Specimen Evergreens
Ornamental Trees
Shrubs

WRITE FOR CATALOGUE

R. DOUGLAS' SONS

WAUKEGAN, ILLS.

Established 1848

Nursery Stock makes heavy
demands on the soil—

POTASH

Supplies the Demand

and prepares the young tree for future fruitfulness. Don't expect to grow disease-resistant stock on exhausted ground, but replenish the soil with a fertilizer supplying needed Potash, Phosphoric Acid and Nitrogen.

For interesting information about Potash and its important rôle in the nourishment of trees, shrubs and plants, address

GERMAN KALI WORKS

New York—93 Nassau Street

Chicago—Monadnock Bldg.

Atlanta, Ga.—1224 Candler Bldg.

Gooseberries, 2 yrs. A fine lot of Downings, Houghton, Red Jacket, Smiths, and Keepsake, etc., etc.

University Avenue Nurseries

1865 1908

We Offer Among Other Things Fall of 1908 the Following Choice New Varieties :

BABY DOROTHY ROSE.—The best of all the Babies for out-door planting or for forcing, strong 2-year plants.

Pink Baby Rambler, ANNA MULLER.—A grand budding rose, very floriferous, heavy plants.

White Baby Rambler, CATHERINE ZEIMET.—Double, pure white fragrant flowers, desirable.

LADY GAY.—Distinct from, and more refined than Dorothy Perkins. Grand climber.

A New Hybrid Rugosa, F. C. MEYER.—Strong grower, color silvery pink. Recommended.

Hydrangea, Grandiflora Alba, or "HILLS OF SNOW."—The best shrub for dealers to handle.

Anchusa Dropmore Var., The "HEAVENLY BLUE FLOWER."—Extra strong blooming plants. Send for circular.

Veronica Long Sub., BLUE BIRD FLOWER.—A grand border plant.

PAEONIES.—The Only Gold Medal Collection at St. Louis.

PHLOXES.—Largest and best collection in State of New York.

TEA'S WEEPING MULBERRIES.—Extra strong heads.

ALSO A FULL LINE OF ROSES AND FLOWERING SHRUBS, ETC.

JOHN CHARLTON & SONS
Rochester, N. Y.

NORTH CAROLINA NATURAL

Peach Pits

Gathered in the mountains of North Carolina where the Yellows are unknown. Write for prices.

JOHN A. YOUNG Greensboro, N. C.

Large Maples, Beeches, Oaks, Ash and others from 3 in. to 6 in. caliper, also Spruces, Firs, Retinosporas, and other evergreens. Good specimens, several times transplanted and will lift with good roots.

SAMUEL C. MOON,
Morrisville Nursery, MORRISVILLE, PA.

KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.

SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

When writing to Advertisers mention The National Nurseryman.

Nursery Stock

Walter Charles Slocock

GOLDSWORTH NURSERY

WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF
THE FOLLOWING :

CONIFERS including a quantity of well shaped specimens for decorative purposes. Low prices can be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other **ROSE STOCKS.**

FRUIT TREES in large quantities.

Transplanted **FRUIT TREE STOCKS.**

RHODODENDRONS and other **AMERICAN PLANTS.**

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other **HARDY CLIMBING PLANTS.**

Transplanted **FOREST TREES.**

THE STOCK IS IN EXCELLENT CONDITION
LARGE QUANTITIES SHIPPED ANNUALLY.

PEACH SEED

Of all Grades

FOR SALE AT LOW PRICES

WRITE **THOS. R. HAMAN,** 1614 Oliver Street
BALTIMORE, MD

Fruit Tree Seeds

Write promptly for prices on the following: Mazzard and Mahaleb Cherry, French Pear, Apple and Tenn. Natural Peach Pits.

Use "Red Star" Raffia. Sample free.

THOMAS MEEHAN & SONS, Inc.
Dresher, P. O. Box T, Pa.

Forest Plants

Hedge Plants Fruit Stocks Day Briars

PRICE LIST FREE ON APPLICATION

JULIUS HANSEN PINNEBERG, (Holst) Germany

LOMBARDY POPLARS, - - 8 to 14 feet

CAROLINA POPLARS, - - 9 to 11 feet

YOUNG VIGOROUS TREES

CALIFORNIA PRIVET, fine, bushy stock, 1 to 4 ft.

JOSIAH A. ROBERTS, Malvern, Pa., Chester Co.

When writing to Advertisers mention The National Nurseryman.

Forest Tree Seedlings

We offer a large stock of forest tree seedlings. Especially strong in Black Locust, Honey Locust, Soft Maple, Cottonwood, White Elm, Osage Orange and Russian Mulberry. Also Asparagus and Rhubarb plants 2 years. We collect and import Tree Seeds. Can make special prices on Black Locust, Honey Locust, Ash, Box Elder and Evergreen seeds. Write for prices. : : :

German Nurseries and Seed House

(Carl Sonderegger, Prop.)

BEATRICE, NEBR.

STRAWBERRY !

RASPBERRY !

BLACKBERRY !

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

PAEONIES

12 ACRES

On standard sorts can make prices that will catch your orders, will also please you with stock furnished. Ask for list.

Respectfully yours,

GILBERT H. WILD, Sarcoxie, Mo.

DREER SPECIALS

For FALL 1908

PÆONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

Royal Tottenham Nurseries

DEEDEMSVAART, HOLLAND

Offer a Full Line of
HARDY PERENNIALS

Including the New Hardy

TUNICA SAXIFRAGA FL. PL.

Double Pink Flowers from May to Oct.)

SOLE AMERICAN AGENTS

McHUTCHISON & CO.

17 MURRAY STREET, NEW YORK

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City.

Surplus Stock, Spring 1908.

10,000 Peach, 1 year, 2 to 3 feet,

10,000 Peach, 1 year, 1 to 2 feet,

10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.

50,000 Peach, June Buds, 18 to 24 inches.

1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PAEONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

PAINESVILLE NURSERIES

OFFER ONE OF THE LARGEST AND MOST
COMPLETE ASSORTMENTS OF STOCK FOR

Nurserymen and Florists

in the United States, including Fruit and Nut Trees,
Deciduous and Evergreen Trees and Shrubs, Roses,
Hardy Vines, and Plants, Small Fruits and Grape
Vines, Tender Plants, Bulbs and Seeds.

While many varieties of first class fruit and large sized ornamental trees and shrubs are sold out, we still have a large assortment, large amount of which is stored in frost-proof cellar. Orders booked early for cellared stock will be set aside and held for shipment.

Our importations from Holland are in. Have extra fine lot of Rhododendrons and Hardy Azaleas in both named varieties and seedling, Boxwood 30-36 inch in bush and pyramids. Tree Hydrangea, Tree Roses, Dutchman Pipe, etc.

Roses—

Hybrid
Perpetual
Ramblers,
Climbers,
Etc.,
in large supply.

Our greenhouses, in addition to regular stock of Pot and Bedding Plants, have a fine lot of Decorative Stock, Palms, Ferns, Araucarias, etc.



European Larch

Pleased to
price your list
of wants or to
show you our
stock. Special
inducements
on car lots. If
you have not
received our
fiftieth anni-
versary de-
scriptive cata-
log, send for
it. Catalogs
and Price
Lists free.

53 Years.

1200 Acres.

44 Greenhouses.

The **STORRS & HARRISON Co.**
PAINESVILLE, OHIO

TREES

Fruit and Ornamental.

**Shrubs
Evergreens
Roses
Hardy Plants**

All the Best and Hardest Varieties.
Largest and most varied Collections in
America. Illustrated Descriptive Cata-
logue mailed **FREE** on request.

ELLWANGER & BARRY,

Nurserymen—Horticulturists,

MOUNT HOPE NURSERIES,

Established 1840.

Rochester, N. Y.

THE GENEVA NURSERY

SPECIAL OFFER

Apple Pear Cherry Plum

Well graded in all grades

Headquarters for Fruit and Ornamental
Trees, Shrubs, Berries, Phlox, Clem-
atis, Evergreens, Peonies,
Azaleas, Rhodo-
dendrons.

ROSES

BUDDED AND ON OWN ROOTS

Cut Leaf Birch

European White Birch

Spirea Van Houtte

Barberry Thunbergii

WRITE FOR OUR SPECIAL PRICES

Special attention given to Dealers Complete Lists and Carload Lots

W. & T. Smith Co.

Established 1846

Geneva, N. Y.

700 ACRES

When writing to Advertisers mention The National Nurseryman.

COMMON STOCK VERSUS PREFERRED STOCK

**The one MAY pay dividends;
the other's SURE to.**

That's why J & P NEWARK-GROWN has come to be known as the PREFERRED STOCK—it has the guaranty of grade and quality back of it—it's the kind that grades up; delivers without any back-talk; and brings in the long-green from the deliveryman; makes Thanksgiving mean something more.

Were YOU thankful over your fall delivery and collections? Of course you were; but mightn't the returns have been better on orders filled with the PREFERRED STOCK?

SEND YOUR NEXT WANT LIST TO

JACKSON & PERKINS CO.

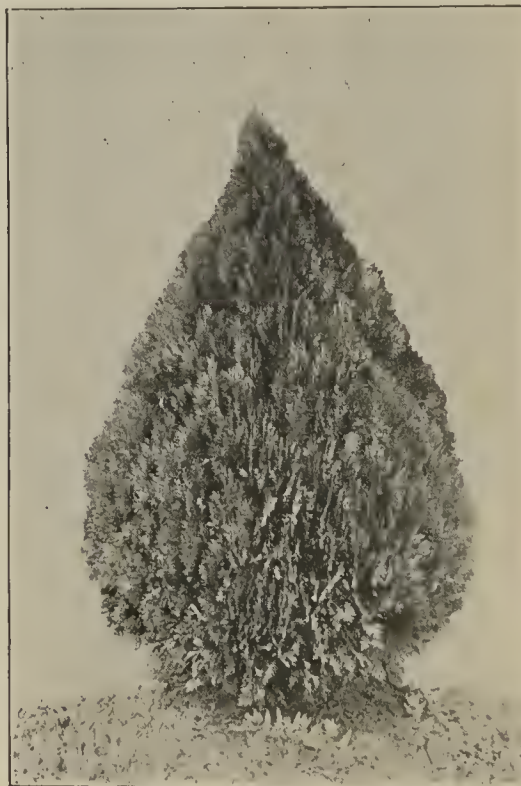
WHOLESALE ONLY.

"Purveyors to The Trade" and Dispensing the Preferred Stock, which is grown at NEWARK, in WAYNE COUNTY, NEW YORK STATE.

BIOTA AUREA NANA,

(Berckmans' Golden Arbor Vitae).

50,000 shapely plants of this popular conifer for fall delivery, from 10 inches to 3 feet.



**ALTHAEA
MEEHANII**

(Hibiscus Syriacus)
(New variegated
single flowering
Althaea).

Field grown
**DOROTHY
PERKINS,
CRIMSON
RAMBLER,
and MARIE
PAVIE** Roses.
AZALEA

**INDICA,
CAMELLIA,
MAGNOLIA**
grfl.

**WIER'S
MAPLE,
TEAS,
MULBERRY,
TULIP
POPLARS,**
all first class.
Send for prices.

P. J. BERCKMANS CO. Inc.

FRUITLAND NURSERIES,

:: AUGUSTA, GA.

Established 1856

Over 450 Acres in Nurseries

When writing to Advertisers mention The National Nurseryman.

A LITTLE TALK ON PICTURES

IN our constructive work—endeavoring to make catalogues that really sell things—we constantly strike a curious economy.

The customer with a large stock of California Privet or Yellow Transparent Apple wants to sell that stock, and if he does he is probably several hundred dollars to the net good.

When we suggest that a good illustration, specially made for the purpose, will sell the stock, he is liable to rise several miles in the air, at the expense of \$10 or \$15 proposed, and content himself with an ordinary stock illustration not different from any other and used by a dozen other tradesmen.

Now the man who sells plumbers' stuff knows better, and when he has a new wash-basin to put on the market he prints the prettiest picture of that wash-basin he can get, no matter how expensive it may be, and he sells the basin a great many times over.

These reflections are forced out of us by a letter from a new customer in California, who says: "I am in the midst of a very busy season, with all of the orders that my force can handle, and in excess of the supplies that I had arranged for. This should be a very good answer to your inquiry about how I like my catalogue. It is bringing business, and also a great many unexpected words of praise from unknown customers."

But this good man has discovered the truth for himself, when he says further: "One thing that is being driven into my mind very firmly is the fact that the picture sells the goods. Order after order picks out the articles which are most attractively illustrated, passing by others as good or better. The Keizerkroon tulip on the first page illustrates this forcibly, for I am far over-sold on it. Tulip Gesneriana is as good an instance."

Now when nurserymen, florists and seedsmen get to be as good business men as the chaps who sell stockings, or hats, or mattresses, or toilet powders, or soap, we shall not have so much trouble to convince them of the value of the picture in advertising. Not merely *a picture*, that may look as little like the thing illustrated as a tomato-can lithograph does like the fruit it is supposed to help sell. But *the picture*—reproducing with photographic fidelity and engravers' skill the exact form and appearance of the article advertised.

I Meanwhile, we will keep on pounding—mighty glad of the increasing number of customers who have come to see the point.

THE McFARLAND ORGANIZATIONS

THE J. HORACE McFARLAND COMPANY Constructors of Catalogues	THE McFARLAND PUBLICITY SERVICE Builders of Business
---	---

MOUNT PLEASANT PRESS :: HARRISBURG, PENNSYLVANIA



HIS last summer, a college professor from fifteen hundred miles away dropped in on us. A new line of study had been added to the common-school curriculum of a state adjoining his, and a text-book would be adopted in two months. The professor knew what the text-book ought to contain, and could write the stuff—but that was all. He didn't know how to get the material for the 175 technical illustrations required or how to put the book together. We had the man who did, and the facilities to do the work. The professor got his books—336 pages and two-color plates, bound in cloth—by the time the school authorities had their meeting.

A lecturer on travel came home from an European trip three weeks before his season opened. He had with him twelve hundred photographic negatives made on the trip. He wanted these negatives developed and printed, a thousand lantern slides made and accurately colored, and a complete assortment of advertising matter. He got everything from us, and on time!

A big manufacturer in a hustling Western city wrote us that he needed designs, drawings and color engravings for the mountings of a dozen elaborate metal advertising signs—needed them quick. Could we deliver the goods? Rather! We got the data Tuesday noon, our ideas were submitted in rough sketches and approved on Thursday, the finished drawings passed on Saturday, and the engravings were shipped on the following Wednesday.

An advertising representative of a prominent publication called on us late one Monday afternoon, recently, for help in the way of "copy" suggestion for a new proposition. Intimate knowledge of a technical subject was required to prepare the copy, photographs must be secured and half-tone engravings made, and the "copy" put in type in order to give our suggestions concrete form. We were "on the job" and supplied proofs of the ad complete, Wednesday.

A leading nurseryman of Chicago made up his mind about the end of June that he needed a new catalogue for early September mailing. He wanted it to be considerably better in every way than anything in the line previously printed. We made many of the photographs, all the engravings, wrote the copy, designed the cover, set the type and electrotyped it, and printed the book in two colors—cover in colors and embossed—and made delivery by Labor Day.

And each of these things has been but a part of the day's work at the time. Millions of pages of catalogues and booklets, hundreds of thousands of square inches of engravings and electrotypes, tens of thousands of manuscript pages of business literature, hundreds of photographs and designs, and dozens of complete selling campaigns have been put through in the meantime, to say nothing of printing regularly three periodicals of national circulation.

Isn't the organization that can do things like this, under one roof and one management, worth looking into? *Come to see us, or write to us.*

THE McFARLAND ORGANIZATIONS

HARRISBURG, PA.

Pratt's "SCALECIDE" Soluble Petroleum

TRADE MARK REG. U. S. PAT. OFF.

Will Positively Destroy SAN JOSE SCALE and all Soft Bodied Sucking Insects Without Injury to the Tree

SIMPLE, MORE EFFECTIVE AND CHEAPER THAN LIME SULPHUR.

Not an experiment.—Write for FREE sample and endorsements of leading fruit growers and entomologists who have used it for years.

PRICES:—50 gal. bbl. \$25.00; 30 gal. tin, \$15.00; 10 gal. can, \$6.00; 5 gal. can, \$3.25; 1 gal. can, \$1.00 f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.

Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper.

B. G. PRATT COMPANY, Mfg. Chemists, Dept. B., 50 Church St., New York City

Special for Fall, 1908

**STANDARD AND DWARF PEAR—2 Yrs.
CHERRY, PLUM AND QUINCE—2 Yrs.
NORWAY MAPLES, 8 to 10 Ft.—Fine**

No Scale has ever been found in this County
CLOSE PRICES FOR EARLY ORDERS

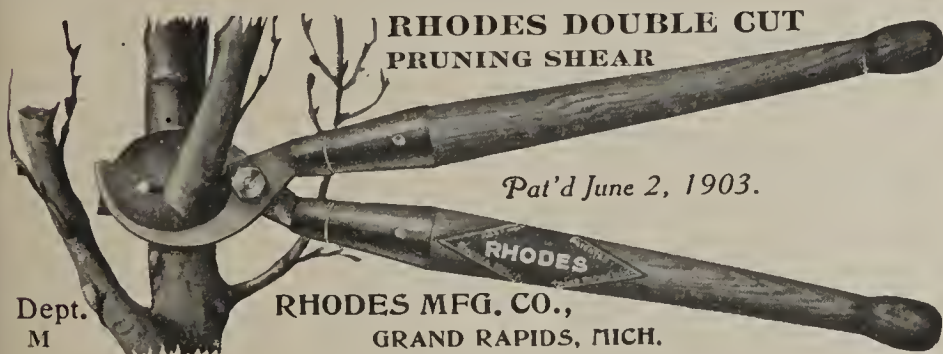
JAMES M. KENNEDY, Agent
DANSVILLE LIVINGSTON CO., N. Y.

ARCADIA NURSERIES

Monticello, Fla.

**Growers of General Fruit and
Ornamental Trees in Quantity**

High Grade PECANS our specialty



Dept.
M

The only pruner made that cuts from both sides of the limb and does not bruise the bark. Made in all styles and sizes. We pay Express charges on all orders. Write for circular and prices.

Dept. M. RHODES MFG. CO., GRAND RAPIDS, MICH.

California Privet and Asparagus Roots

I HAVE ABOUT 1,300,000 CALIFORNIA PRIVET one and two years old and 300,000 Asparagus Roots to offer for Fall and Spring delivery. I also have a quantity of Cut Leaf Birch 4 to 10 feet, Sugar Maple from 1 1-2 to 2 inch cal. and Hydrangea P. G. from 2 to 3 feet, extra heavy. This stock is grown right and will be graded right.

I trust you will let me quote you on what you need before ordering elsewhere.

C. A. BENNETT
ROBBINSVILLE, NEW JERSEY

"Everything in Evergreens and Forest Trees"

My stock is complete in every way, and includes all the hardiest and most valuable varieties. In addition to having the largest stock of Evergreens and forest trees in America of varieties which are grown from seeds, I have a very complete stock which I propagate by grafting and rooted cuttings and am offering same in the smaller as well as the larger sizes, thus enabling you to obtain plants at reasonable prices for growing on.

Send for advance price list which, altho it is not a complete list of everything I grow, gives prices on some of the varieties which I can furnish in immense quantities.

If you are in the market for anything in Evergreens or Forest trees in any size or quantity, and are interested in getting stock that will live and grow, you will make no mistake in purchasing from a specialist.

"DUNDEE GROWN TREES HAVE BEEN FAMOUS FOR OVER HALF A CENTURY."

WRITE FOR PRICES, INFORMATION, ETC.

I also offer a complete line of TREE SEEDS of entirely new crop, and of high germinating quality. Send for price list.

D. HILL, Evergreen Specialist

THE DUNDEE NURSERIES, DUNDEE, ILLS.

When writing to Advertisers mention The National Nurseryman.



Samples of nursery stock as grown by Lewis Roesch & Son, Fredonia, N. Y.

The National Nurseryman

FOR GROWERS AND DEALERS IN NURSERY STOCK

Copyrighted 1908 by the National Nurseryman Publishing Co., Incorporated.

Vol. XVI.

ROCHESTER, N. Y., DECEMBER, 1908

No. 12

EDITORIAL WANDERINGS

A SHORT CRUISE AMONG FREDONIA GRAPE GROWERS

IT was the editor's privilege not long since to make a hasty trip through the grape growing region of Lake Erie. The Chautauqua section of this region was one of his familiar stamping grounds a few summers ago when the leaf hopper and grape root worm were on the rampage. Fortunately for the careless grower these insects have been much less active the last year or two than formerly and as entomologist Slingerland says, the "Hopper pendulum" seems to be on the down swing. Whether it will have another innings again in the near future is of course an unanswerable question. The cautious grower, however, will keep a watchful eye on his vines.

Fredonia is the hot bed and propagating center of grape vines. The reputation of this place was long since established by such pioneers as Josselyn and Hubbard. Indeed, the great grape industry of Chautauqua had its inception not far from Fredonia in the little town of Portland. Here it was that Concord was introduced with great success after disheartening failure had followed many attempts to grow European varieties or their hybrids.

Of course the type of soil is a governing factor in the growing of all crops but particularly is this true in the case of the grape. Certain it is that ideal conditions for the growing of grape stock are found in the deep, warm, gravelly soils of the old Lake Erie beach. Warmth, moisture, holding capacity and thorough natural drainage seem to be all combined most advantageously from the standpoint of the grape grower.

To return to our visit. Coming down from Buffalo on the Lake Shore, the traveller alights at Dunkirk and runs over to Fredonia a couple of miles distant by trolley. Dunkirkers are wont to call Fredonia one of its suburbs, whether to the liking of the Fredonia people or not, we are unable to say. At any rate it is a pleasant little town with a handsome normal school and many attractive residences.

On arriving, the grape interested visitor will certainly

he has attended meetings of the American Association of Nurserymen. "Papa's" office is right in town not far from his comfortable home where he dispenses hearty hospitality, assisted by his good wife. By the way, a feature of this home is "Papa's Den," which is at once a work of art and a haven of comfort—a generous fire-place, great easy chairs and other many appurtenances are all there. It's a hard recall pleasant memories of "Papa Josselyn," especially if place to get away from!

Under the guidance of Mr. Josselyn we saw some fine fields of grape stock. The season, notwithstanding dryness in the latter part, has on the whole been very favorable. We saw excellent blocks of Moores' and Delaware varieties that are specially sensitive to adverse conditions, and of course large areas of such standards as Niagara, Concord and Worden.

For a wholesaler, Geo. S. Josselyn probably carries a larger number of varieties

than any other firm in the country. Among the principal grape firms in the section are: T. S. Hubbard Co., Geo. S. Josselyn, Lewis Roesch & Son, Foster & Griffith.

A rather curious condition prevails this season: while the market for the fruit is very quiet the demand for vines keeps up and most growers are practically sold out. It shows that planters have faith in the future of the industry and are not disquieted as yet by the great possibilities which the wave of prohibition now sweeping over the country may carry with it.

The past season has been very favorable to the growth of the vine and the growers are well pleased.

The standards of two years ago remain at the head and great fields of Concord, Worden and Niagara are always in evidence in this region.

Not all the growers dig and cellar over winter, but in general, digging and grading were the orders of the day at the time of our visit.



Papa Josselyn "sizing up" his gooseberry stand.

A CAREFUL REVIEW OF THE GRAPE SITUATION, PAST AND PRESENT.

In reply will say that the grape season just about coming to a close has been an unusually hard one for the grower, for two reasons, viz.: a short crop and low prices. The poor crop in my opinion was entirely owing to unfavorable conditions the year before. Many years ago when grape growing in this section was yet in its infancy and long before we had any seriously injurious diseases and insect pests on the vines the rule was to plant vines eight by eight feet apart and tie up four or less canes some three to four feet long, according to the size and vigor of the vine. In those days we used to grow so much wood that the new canes of one row would grow over and interlock with those on the one adjoining. No doubt mere wood and less fruit was often grown than was for the best interests of the grower. Since then vineyardists have learned to grow grapes to the limit, often putting up five to ten and more canes to the vine, causing overbearing, especially in unfavorable growing seasons or, when exposed to the ravages of insects and disease. Such a season we had last year.

Grapes like corn and tomatoes love hot weather but the season of 1907 was cool throughout, with several hail storms; and as if this was not enough the grape root worm which had been operating and increasing for several seasons put in his deadliest work.

Owing to the cool weather and in some cases heavy crops, grapes ripened very late, some not at all. On or about Oct. 20th, there came a killing frost to cap the climax. The condition now was this: Owing to the cool season the growth of wood was very short and owing to the early frost only a part got ripe and even that not in good condition. In places hail had also done much damage. The prospect for another crop was bad. Most growers realized that they were up against something serious. I verily believe that had the winter of '07 to '08 been dry and severe it would have used up a large part of our vineyards. However, it was wet and not too cold so that vines sustained no further injury. Upon taking inventory of the situation it was apparent that raising even an average crop of grapes another season was out of the question, but that instead he had to hustle to save his vineyard. He made all sorts of resolutions. He who had been bragging that he could grow grapes with less fertilizers than any other crop, together with him who remembered that he never fertilized at all, solemnly resolved to do so this time. He pruned them, not with a view of growing the largest possible crop but with the idea of saving the vines and to grow wood. Then he cultivated thoroughly and sprayed with poison and bordeaux mixture both against the root worm and disease. All this effort, together with a good warm season revived the vineyards to a large extent. Not as good as ever, but very much improved over last year and there is at present prospects for a very fair crop of fruit

another season. Not but that there are still worthless vineyards here and there that had better be pulled up and planted to something else, but the majority are in pretty fair shape. If they are as free from the root worm next season as they have been this, together with better fertilizing, cultivation and spraying as practiced this season, it will soon put them in condition for maximum crops again.

The poor price received this season is also laid to a combination of several causes. The main one being, but little demand for wine grapes. I think it is estimated that usually about one-half of our grape crop is used in making wine and unfermented grape juice. Last year the grapes ripened but poorly as above stated and froze about Oct. 20th. Still the demand for manufacturing was as brisk, and they brought as good prices as though they had ripened up thoroughly and were of good quality. However, the resulting product was not very popular and is at this time, to a great extent, still in "original packages." Another reason for the poor price is the extreme earliness and heat of the season. They came in competition with a large crop of all sorts of fruit as peaches, plums, pears and apples. Hot

weather also is unfavorable to the shipping and keeping of grapes, as well as other fruit. Another reason is the poor quality of last season's crop. Consumers remembered that they were poor and sour and did not want any more grapes, especially when there was a great assortment of other choice fruits



Winter work in a Chautauqua Vineyard.

to select from. In fact all the blame for bad results this season is to be laid to the unfavorable summer and fall of 1907.

How will this condition of things effect the planting of new vineyards? Well, in the case of people who are guided by temporary conditions only; who buy sheep when wool and mutton are high and sell them again when cheap to buy high priced cattle; who only plant potatoes when the seed is high; such people will not plant many while the vines are good and cheap, they wait until they are high again. But there is another class who look over these temporary conditions into the future; who see an ever increasing demand for grapes and grape products beyond that of mere increase of population and who also see that the poor and neglected old vineyards must be replaced. On business people of this stamp the present temporary depression will have no effect whatever, except that good cheap vines will cause them to plant all the more.

We have had a remarkable season for the production of nursery vines. In all of my 33 years experience as a propagator I never had so large and fine a crop of vines. On cuttings, tops of 12 to 18 inches are the rule while those of two to three feet are not uncommon and the roots are on proportion to the top.

Fredonia, N. Y.

Very truly yours,
LEWIS ROESCH.

NOTES ON CHAUTAUQUA AND LAKE ERIE GRAPE BELT.

The section of country lying south of Lake Erie about twenty miles west of Buffalo and extending fifty miles long and from three to five wide is destined in a few years to become one great vineyard.

As one travels thru this country now by cars many large vineyards are seen stretching as far as eye can reach and each year hundreds of acres of new vineyard are planted.

Dairying and general farming are fast giving way to vinyarding and soon all suitable land will be occupied by vineyards.

About the year 1860 the first Concord vineyard was planted and in 1866, Mr. Hubbard planted 100 acres, the

perfection, and the quality is not equalled in any other section.

What is true of the development of the grape industry is also true of the rooted vines for which this section is famous.

Several million grape cuttings are annually planted. The vines produced are noted for having well developed system of strong, fibrous roots.

The varieties most largely planted at present are the following in order of popularity: Concord, (black); Niagara, (white); Worden, (black); Moore's Early, (black); Delaware, (red); Catawba, (red). The Concord is the leading grape and other kinds are planted for fancy market grapes and to extend the grape season.

T. S. HUBBARD COMPANY.



A fine stretch of grape stock. Good soil, and careful cultivation results in healthy, vigorous stock. Lewis Roesch & Son, Fredonia, N. Y.

varieties being mostly Concord, Catawba, Isabella, Iona and Delaware. The fruit was sold in near by towns and he was the pioneer in shipping grapes direct to grocers in country towns. It was not until 1877 that the first car load was shipped. Yet in 1900, about 8,000 carloads were transported which shows the great growth of the grape industry in less than 30 years.

Grapes are packed mostly in eight pound climax baskets but since the development of the juice industry, both fermented and unfermented, about one third the crop is now picked and sold in crates.

Since the process of manufacturing unfermented grape juice was discovered and the making of sour wine by the Italian method was introduced, the surplus grapes have been used for these purposes and the price of basket grapes has been more satisfactory.

The soil, location and climatic conditions are most favorable for growing grapes and the fruit develops and ripens to

BELGIUM AN APPLE GROWING COUNTRY.

It is not generally understood that the small Kingdom of Belgium grows many more apples than it consumes. Belgium and pear culture have been associated in the minds of fruit growers for many generations. Ever since Van Mons made such remarkable improvements in pear culture by growing thousands of seedlings and selecting the best therefrom, Belgium has taken an important place in pomological advancement. As an apple growing region, however, we have heard little about it.

It is interesting to learn from a consular report, that last year Belgium exported over 36,000,000 lbs. of apples valued at \$815,000 odd. The greater portion of this amount went to Germany. About one-sixth of it was sent to Great Britain while the remainder was distributed between Holland and France. Traveling through Belgium, especially on the Coast side, one sees comparatively little to suggest that orcharding is engaged in to any extent, but excursions in-

land while showing no extensive tracts such as we find in this country, will reveal numerous small areas surrounding the farm houses and thousands of road-side trees and scattering specimens in locations where the soil cannot well be utilized for other purposes. The aggregate is seen in the foreign shipments.

NURSERY CONDITIONS IN CONNECTICUT. SCALE NO LONGER FEARED.

Nursery conditions in this section are far better than was anticipated earlier in the season. Fall trade has been good,

sizes of trees. There is talk by some of proposing a *peach yellows* "law" this coming winter and very likely such a bill will be introduced into the General Assembly, but it is doubtful if the public will permit it to pass after repealing the previous one we had. There will not likely be any change in the laws in regard to injurious insects. People are not now afraid of the San Jose Scale, having learned to combat it successfully.

Yours truly,

THE BARNES BROTHERS NURSERY CO., INC.
Yalesville, Conn. John R. Barnes, Pres.



Grading vines and nursery stock in the cellar^s of Lewis Roesch & Son, Fredonia.

and the outlook is bright for a good spring trade, particularly in apples, pears and grapes. There was a good crop of peaches in this section this summer which ought to result in a good demand for peach trees, but the outbreak of peach yellows that has been so severe over the north eastern section of the United States has made great inroads in the orchards here, and we expect a smaller demand for peach trees for planting next spring. The season having been quite dry has not induced so rank a growth as in some years, and in consequence we have a large percentage of the smaller

Your esteemed favor was thankfully received. Texas is still on the map although we have been almost submerged by four long seasons of wet weather which has given us great trouble in the way of spoiled crops, increased vegetable diseases, and hurtful insects.

We have been very much interested in the things editor Craig has been saying about his tour in Europe. We hope he had a good profitable time, and that he and his good wife will have long life and continued usefulness.

McKinney, Texas.

E. W. KIRKPATRICK.

Doings of Society.

A SOCIETY FOR THE PROTECTION OF PLANTS, FROM INSECTS AND FUNGUS PESTS.

An old type of organization under a new name has been recently organized in the Province of Quebec, Canada. There are many entomological societies having for their object the study of insects, mainly from the economic standpoint. It has remained, however, for the Province of Quebec to found an organization ostensibly and especially for the protection of plants against insect and fungous invasion. The president of this society is Prof. W. Lochhead, McDonald College, Quebec, and the secretary is Douglas Weir of the same institution.

NATIONAL NUT GROWERS' ASSOCIATION.

At the last meeting of this active society it was agreed to meet at Albany, Ga., in 1909. The association is doing splendid work for the nut interests of the country and deserves the support of all persons interested directly or indirectly in nut growing. The secretary of the Society is Dr. J. F. Wilson, Poulan, Ga. The Society issues an annual report of considerable interest.

WASHINGTON STATE HORTICULTURAL ASSOCIATION.

This organization will meet in conjunction with the National Apple Show, at Spokane, December 7-12. An attractive program has been arranged. All phases of fruit growing, from the production of the tree and the management of the orchard to the handling of the fruit will be presented by speakers from within and without the state. Mr. L. G. Munroe is secretary of the Association, and may be reached at Spokane, Wash.

HORTICULTURAL ANNIVERSARIES.

The editor of Horticulture calls attention to the fact that on the evening of September 22d, 1848, the Massachusetts Horticultural Society celebrated the close of its twentieth annual exhibition by a great banquet in Faneuil Hall, Boston, in which over five hundred ladies and gentlemen participated. Among the noted men of the period present at the festival were Marshall P. Wilder, president, Robert C. Winthrop, Josiah Quincy, William H. Seward, George Dearborn and Andrew Jackson Downing. This was a remarkable

gathering and occurrences of this kind should not be allowed to lie forgotten. They serve as incentive to the present horticulturist to interest not only men of the cult in the work but the leading writers, thinkers and speakers of the country.

CONFERENCE OF NEW ENGLAND GOVERNORS.

One of the most significant conventions held in recent years is that which has just taken place in the Tremont Theater, Boston, November 23d and 24th. This convention was called by the six governors of the New England states. The conference was for the purpose of considering three main topics. The first was that of tree planting; the second, the production and promotion of supplies of sea food; the third, highways and their use.

The topic of tree planting was introduced by a discussion of the cultivation of forest trees, by Gifford Pinchot, head of the Bureau of Forestry, Washington, D. C., and New England's opportunity in orchards, by John Craig, Professor of Horticulture, Cornell University, Ithaca, N. Y.

The shellfish industry, in which the lobster and the oyster received special attention, was pre-

sented by Messrs. Herrick, of Cleveland, Ohio, and Dr. Field, Chairman of the Fisheries and Game Commission of Massachusetts, respectively.

The third session was devoted exclusively to highways and included a discussion of the construction of highways, the feasibility of trunk lines of highways for New England, and a consideration of automobiles and their regulation.

The conference was presided over by Governor Curtis Guild, Jr., of Massachusetts, whose secretary, Mr. Frank L. Deane, acted as general executive and manager.

VIRGINIA COUNTY FRUIT GROWERS ORGANIZE.

A new county horticultural society has recently been organized in Rockingham County, Va. The officers of the new association are: President, D. N. Washington, secretary-treasurer, W. J. Dingledine. The purposes of the society are to grow more and better fruit, to co-operate in the fight against insects and in the marketing of their products.



Sketch showing how one nurseryman cultivates a love for home. A corner in Mr. Josselyn's "den"

The National Nurseryman

Published monthly by

THE NATIONAL NURSERYMAN PUBLISHING CO., Inc.
218 Livingston Building, Rochester, N. Y.

President, THOMAS B. MEEHAN
Vice-President and Editor, JOHN CRAIG
Secretary-Treasurer and Business Manager, C. L. YATES

The only trade journal issued for Growers and Dealers in Nursery Stock of all kinds. It circulates throughout the United States, Canada and Europe.

Official Journal of American Association of Nurserymen.

AWARDED THE GRAND PRIZE AT PARIS EXPOSITION, 1900.

SUBSCRIPTION RATES.

One year, in advance,	\$1.00
Six months, . . . . .	.75
Foreign Subscriptions, in advance,	1.50
Six months,	1.00

Advertising rates will be sent upon application. Advertisements should reach this office by the 20th of the month previous to the date of issue.

Payment in advance required for foreign advertisements. Drafts on New York or postal orders, instead of checks, are requested by the Business Manager, Rochester, N. Y.

Correspondence from all points and articles of interest to nurserymen and horticulturists are cordially solicited.

Address Editor, Ithaca N. Y.

Entered in the Post Office at Rochester, as second-class matter.

ROCHESTER, N. Y., DECEMBER, 1908.

AMERICAN ASSOCIATION OF NURSERYMEN.

President—Charles J. Brown, president of Brown Bros. Co., Rochester; vice-president, C. M. Hobbs, Bridgeport, Ind.; secretary, Geo. C. Seager, Rochester, N. Y.; treasurer, C. L. Yates, Rochester, N. Y.

Forestry—J. W. Hill, Des Moines, Ia.
Transportation—F. H. Stannard, Ottawa, Kansas.
Tariff—Irving Rouse, Rochester, N. Y.
Legislation—Wm. Pitkin, Rochester, N. Y.
Co-operation with Entomologists—Hon. Orlando Harrison, Berlin, Md.
Program—Jas. M. Pitkin, Newark, N. Y.
Publicity—J. M. Irvine, St. Joseph, Mo.
Exhibits—Thomas B. Meehan, Dreshertown, Pa.
Arrangements—Geo. C. Seager, Rochester, N. Y.
Editing Report—Geo. C. Seager, Rochester, N. Y.
Entertainment—Wm. Pitkin, Rochester, N. Y.
National Council of Horticulture—Chas. J. Maloy.

STATE AND DISTRICT ASSOCIATIONS.

American Nurserymen's Protective Association—President, R. C. Berckmans, Augusta, Ga.; secretary, Thomas B. Meehan, Dreshertown, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garce, Noble, Okla. Terr.
Canadian Association of Nurserymen—President—E. D. Smith, Winona; secretary, C. C. R. Morden, Niagara Falls, Ont.
Connecticut Nurserymen's Association—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Nurserymen's Mutual Protective Association—President, N. H. Albaugh, Phoneton, O.; secretary, George C. Seager, Rochester, N. Y. Meets annually in June.
National Nurserymen's Association of Ohio—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, W. D. Ingalls, North Yakima, Wash.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holy Springs, Pa.
Southern Nurserymen's Association—President, Charles T. Smith, Concord, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President—E. W. Knox, San Antonio, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, E. P. Bernardin, Parson, Kas.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.
West Virginia Nurserymen's Association—President, W. A. Gold, Mason City; secretary, R. R. Harris, Harrisville, W. Va.

A PARASITE FOR THE ELM LEAF BEETLE.

Most of us are aware that many of our more injurious insects have come to us from European countries. It is fair to state, however, that we have reciprocated in this regard and some of the troubles which are now inflicting themselves on the British and European growers are of American origin and to be credited to the generous tendencies of American plantmen.

One of the interesting things of recent occurrence in entomological lines is the importation, under the supervision of the United States Entomologist of a parasite of the Elm Leaf Beetle which is not only injuring but threatening the destruction of our beautiful American Elms in city and countryside. Dr. Howard has been successful in securing a European parasite of this insect which is instrumental in holding it in check in its native land and which will now be given an opportunity of continuing its good work in this country. Colonies have been established in two or three places and the outcome of the experiment will be watched with great interest. This is one of the most important phases of entomological work and one to be warmly commended, for the parasite is not affected by strikes, national holidays or the condition of the money market.

At a recent meeting of the entomologists, agricultural chemists and manufacturers of insecticides and fungicides, held in New York City, it was decided to start a campaign in favor of the enactment of a bill for the regulation of the manufacture, sale or transportation of adulterated or misbranded fungicides or insecticides. The bill says:

"That it shall be unlawful for any person to manufacture within any Territory or the District of Columbia any insecticide, Paris green, lead arsenate, or fungicide which is adulterated or misbranded within the meaning of this Act; and any person who shall violate any of the provisions of this section shall be guilty of a misdemeanor, and for each offense shall, upon conviction thereof, be fined not to exceed five hundred dollars, and for each subsequent offense and conviction thereof shall be fined not less than five hundred dollars, or sentenced to one year's imprisonment, or both such fine and imprisonment, in the discretion of the court."

The bill provides for the amount of adulteration in the case of Paris green, lead arsenate, and in the case of fungicides it provides that the strength shall not fall below the formula branded on the package containing the article sold. The bill is in the hands of a competent and active committee of the bodies mentioned above and should receive the support of nurserymen and tree growers throughout the country.

CONTROL OF NURSERY PESTS.

The control of insect and fungous enemies of nursery stock is in these days of keen competition growing to occupy a place of great importance in the economy of nursery operations. Every nursery of any importance, growing a variety of tree and shrub crops, should in our opinion, keep one man whose special

duty it is to look out for the appearance of insect and fungous pests. True, it may cost from \$900 to \$1,200 a year if the man's services are maintained winter as well as summer but when we consider that this amount may be spread over 60 or 250 acres of nursery stock, it is a comparatively light tax. Again his services may not be required during the entire year. Three months in the summer will cover the period of active insect and fungous invasion. It is often possible at this time, to secure the services of a reliable young man from one of the agricultural colleges, who is making a specialty of insects and fungi. This man should patrol the stock and be constantly on the alert for the appearance of injurious parasites. Such a man could probably be secured for \$75 per month and would in the majority of cases earn his wages many times over. In dealing with insects and fungi, prevention is more than half the battle. The point is that a superintendent, however observant and however active he may be, cannot catch everything in time, but if an inspector were on deck he would not only observe the beginning of the attack but keep up the spraying until the enemy was routed. It seems to us that the larger nursery men might well give more attention to this feature of nursery stock growing.

STORAGE OF NURSERY STOCK.

The season for the handling of stock in storage has now arrived. In regard to the best methods of storing stock there is a diversity of opinion. Some growers believe in covering the stock with soil after the older style of trenching in. Others cord it and pack with moss, while others cord tightly and give no protection whatever. Undoubtedly all these methods are successful with different men, and unquestionably they are successful just in proportion as the type of treatment is intelligently conducted.

The underlying requisites for successful storage of plants are a uniform temperature close to freezing and a reasonably humid atmosphere. Excessive or even moderate dryness of atmosphere brings about abnormal conditions and increases the difficulties of safe storage. Given a uniform low temperature and an atmosphere charged with considerable humidity, the stock may be wintered in good condition without packing material. If the temperature is higher and if at all variable the difficulties are correspondingly increased. In fact trouble is likely to accompany an attempt to store nursery stock after any fashion in varying temperatures. This suggests that an insulated storage house is essential and experience of nurserymen bears this out.

Aside from temperatures and packing conditions it is important in the autumn to disinfect the storage house. During the summer it stands idle. There is usually a considerable accumulation of organic matter of one sort or another, moss, straw and other packing material, which naturally tends to decay. This forms a breeding ground for the fungi of decay and gives unfavorable conditions for the storage of stock. It is true that the germs of decay (saprophytic) so called, do not often attack living tissue, nevertheless they provide unfavorable conditions for the preservation of living tissues. It is well therefore to disinfect the

cellar thoroughly and this may be done by spraying it with a two per cent. solution of copper sulphate. The fumes of sulphur form a good insecticide but the copper salt solution is easily applied. White washing is also a good old-fashioned method of sweetening a cellar and is much better than no disinfection at all.

Among the Experiment Station Workers.

Preservation of Pitch Pine Fence Posts: C. C. Buffum, in Bulletin 75 of the Wyoming Experiment Station gives the results of some interesting experiments in preserving pitch pine posts, by the use of various preservatives. Mr. Buffum found that the best treatment, "and one which was eminently successful in preserving the posts," was dipping the lower ends in crude petroleum and burning off the oil a sufficient distance to come above the ground when set. This seems to drive hot oil into the post, which with the protecting char cover keeps it from decay. Posts treated in this way 16 years ago were still in good condition when recently examined, and the experimenter concludes that they appear as if they would last indefinitely. Other experiments in which crude oil alone or in tar was used did fairly well. Under ordinary conditions, however, it must be noted that pitch pine posts in Wyoming without treatment will last from 12 to 20 years.

SPRAYING POTATOES.

The New York Experiment Station at Geneva has recently published a bulletin giving the results of spraying experiments from 1903-1906 inclusive. These experiments included fifteen plots covering an area of 225 acres. The results for 1906 were as follows:

The average increase in yield per acre amounts to 42.6 bushels. The average total cost of spraying per acre was \$5.18, and the average cost per acre for each spraying \$0.985. The average net profit per acre was \$13.89.

The results for the four years from 1903-1906 inclusive show the following profits: 1903, \$23.47 profit per acre; 1904, \$24.86; 1905, \$20.04; 1906, as stated above, \$13.89. These figures are sufficiently conclusive to render argument in favor of spraying totally unnecessary.

THE AMENDE HONORABLE.

The Florists' Exchange says the NATIONAL NURSERYMAN copied a news article from this exchange and ran it without rendering credit. On investigation we find that our esteemed contemporary is quite right and we herewith present our apology for the oversight. It was unintentional and we hope will not occur again. Our readers will feel sure that the source guaranteed the high quality of the item.

PERSONAL AND GENERAL.

William, son of Mr. W. P. Stark, treasurer of Stark Brothers Nurseries and Orchards Company, is a senior in Cornell University and will graduate in June, 1909. Mr. Stark, Jr., in coming east made a tour of the nurseries along the line of travel, visiting the principal ones in Michigan, Ohio and Western New York.

NUT NOTES.

The seventh annual convention of the National Nut Growers' Association held an interesting and profitable meeting at Chattanooga, Tenn., Oct. 27-29. Much interest was shown and the attendance, while not larger than usual, was representative, being made up of members from eighteen different states.

The papers and discussions were able and practical, while reports by State Vice Presidents showed increasing interest in the industry and large additions to the orchard acreage, especially in the Gulf Coast states, where the pecan is assuming much commercial importance.

A feature of this convention was the exhibits of nuts, nursery stock, etc. This embraced several very interesting collections, especially one from Indiana which indicated great possibilities for the pecan in territory farther north than it is supposed to thrive. Another exhibit from New York gives promise of the English (Persian) walnut rivalling the famous apple orchards of that state as a profitable resource.

Among the prominent speakers present were: H. E. Van Deman and C. A. Reed, of Washington, D. C.; J. B. Wight and H. C. White, of Georgia; Sam H. James, of Louisiana; W. N. Roper, of Virginia; Prof. H. A. Gossard, of Ohio; Prof. C. G. Woodbury, of Indiana; W. F. Heikes, of Alabama.

Many important papers were read by title and will appear in the Proceedings.

Among the important business matters considered were several changes in the constitution, one of which provides for the election of a treasurer, the duties of that office having become burdensome to the Secretary. Several temporary committees were made permanent.

The financial condition of the Association proved to be encouraging, as resources for the present and next year will be ample for finishing the Proceedings of the Norfolk meeting and for issuing the report of the recent meeting in the near future.

The election of officers resulted as follows:

President, J. B. Wight, Cairo, Ga.

First Vice-President, J. B. Curtis, Orange Heights, Fla.

Second Vice-President, H. C. White, DeWitt, Ga.

Secretary, J. F. Wilson, Poulan, Ga.

Treasurer, C. P. Close, College Park, Md.

New members on the Executive committee are Dr. Robt. T. Morris, of New York, and C. P. Close, of Maryland.

Albany, Ga., was selected as the place for next meeting.

THE PRESIDENT.

Twenty years ago Mr. Wight read from some one this piece of advice: "Young man plant a pecan grove; when you are old it will support you." He went out and did so and his faith in the truth of the saying has grown stronger as the years have passed.

At first he planted only seedling trees, for such a thing as a budded or grafted pecan could not then be obtained.

Later the great superiority of buds and grafts was learned, and he now sets these alone. While Mr. Wight has tried a number of other species of nuts, he has become thoroughly convinced that the pecan surpasses by far all others as a commercial nut; and he, therefore, makes a specialty of it, both in his nursery and orchard. He has 130 acres in groves.

Mr. Wight is among the most active members of the National Nut Growers' Association, having been connected with it since its organization.

NUT GROWING IN THE MIDDLE ATLANTIC STATES.

Experiment Stations are beginning to draw attention to the fact that nut culture has been neglected. In most parts of the United States some variety of nut can be grown with

profit. In the northern regions the improved hickories and hardier chestnuts should be cultivated; in the southern states, the pecan reigns supreme; on the Pacific coast, the newer variations of the Persian walnut are making money for the growers; while in the Middle Atlantic States the experiment station offices of that region are drawing attention to the fact that black walnut, butternut, hickory, chestnut, beech and hazel are native and worthy of improvement.

The value of the nut as an economic and nutritious article of diet should be more generally exploited. It is stated in the Year-book of the United States Department of Agriculture for 1906, that "at twenty cents per pound for walnuts and twenty-five cents per pound for porterhouse steak, an equal investment in each will produce about one fifth more in weight

of food material and in energy in the walnuts than in the steak. Pecans rank higher than walnuts in a similar comparison."

Prof. Close of the Maryland Experiment Station, writes as follows in regard to nut culture in that state:

"Most of the state has produced excellent Persian walnuts and some pecans for more than a hundred years. Only a few named varieties of the improved sorts have thus far been tried. The improved varieties of chestnuts are not generally profitable, but may become so if the immense crop of native chestnuts is cut short, as is now threatened by a disease which is causing the death of hundreds of trees. The Japan walnut is not much grown and is not likely to be.

The following are named as the varieties of Persian walnuts which are believed to be most likely to succeed under Maryland conditions: Chaberte, Franquette, Mayette Blanche, Parisienne, Proeparturiens, San Jose, Rush, Norman Pomeroy, Drew and Peerless Paper Shell."

ILLINOIS HORTICULTURISTS.

Illinois State Horticultural Society, Fifty-third Annual Convention will be held in the Agricultural Building, University of Illinois, Champaign, Illinois, December 8 to 18, 1908. R. O. Graham, President, Bloomington, Illinois; W. B. Lloyd, Secretary, Kinmundy, Ill.



Mr. J. B. Wight, Cairo, Ga.
President of National Nut Growers'
Association.

TARIFF COMMITTEE AT WASHINGTON

ASK FOR SPECIFIC DUTY ON FRUIT STOCKS AND HIGHER DUTY ON ORNAMENTALS AND
CONIFERS, RHODODENDRONS FREE.

Special to the NATIONAL NURSERYMAN.

The Ways and Means Committee which is holding hearing in Washington for the purpose of the revision of the tariff considered the Agriculture schedule on November 18th and 19th. The tariff on nurserystock comes under the Agriculture schedule.

Unfortunately Irving Rouse, who is chairman of the tariff committee of the American Association of Nurserymen was unable to attend the hearing in Washington, but he appointed Theodore Smith of Geneva to take his place. Mr. Smith, accompanied by the members of the committee, Wm. Pitkin, Rochester, J. H. Dayton, Painesville, Ohio, and James Pitkin, Newark, N. Y., went to Washington for the purpose of presenting the claims of the nurserymen.

The Pennsylvania Nurserymen's Association was represented by Thomas B. Meehan, Pres. and Wm. H. Moon. Mr. Bobbink of Bobbink & Atkins, Rutherford, N. J. was also present and gave the committee very material assistance.

In the opinion of the Committee a specific duty on fruit stocks would be better than an ad valorem duty, as this would do away with the difficulties usually encountered by nurserymen in having the appraisers value the goods at the market price at the time of importation, which is usually higher than the stock has actually been purchased for.

The committee representing the Pennsylvania Nurserymen's Association backed up by suggestions and with the approval of a number of nurserymen in the East, who grow large ornamental stocks urged that a higher rate of duty be charged on large ornamentals, including conifers and other trees and shrubs. They made the statement that large quantities of this kind of stock was annually being imported into this country and at the low prices charged for this class of goods in Holland the present duty of 25 per cent amounted to almost nothing.

The committee agreed upon the following schedule which was presented to the Way and Means Committee.

Mahaleb, Mazzard, and Myrobolan Stocks, \$1.00 per M. Pear, Apple, Quince, and St. Julian Plum stocks, \$2.00 per M. Roses \$4.00 per 100. All other stocks and ornamentals 30 per cent ad valorem.

CONIFERS, 2 ft. or more in height, transplanted stock at 15c per foot, or fraction thereof.

DECIDUOUS SHRUBS, 2 ft. or over transplanted, Rosa rugosa, Paeonies, 5c per plant.

DECIDUOUS TREES, young stock not over 8 feet in height less than $\frac{3}{4}$ inch diameter measured 12 inches above ground, same as at present.

DECIDUOUS TREES, $\frac{3}{4}$ inch diameter and over, measured 12 inches above the ground, 5c per $\frac{1}{4}$ inch calliper or fraction thereof.

EVERGREEN SEEDLINGS, cuttings, etc., one and two years old, grown in seedling beds or frames, used for lining out in nursery rows, at present duty.

The Committee succeeded in getting a hearing before the Ways and Means Committee at 7 P. M. on November 19th. The request for the changes of duties, also an argument urging the Ways and Means Committee to adopt the schedule was presented by Wm. Pitkin.

The committee of nurserymen feeling that it would be necessary to make some concession in order to secure the advance in duties asked for, decided to suggest that certain plants, which cannot or are not grown extensively in this country, be placed upon the free list. This list contains Rhododendrons, Azaleas, various bulbs, lilies, etc.

The schedule specifying deciduous shrubs 2 feet or over deciduous trees not over 8 feet and conifers under 2 feet will not affect the small imported stock by nurserymen for planting in the nursery. It is intended to cover only the, larger stock of which large quantities are imported direct for private planting and much of which is also sold at auction in the large cities at very low prices, greatly to the detriment of the nursery trade in this country.

GENERAL ARGUMENT OF TARIFF COMMITTEE.

To The Committee on Ways and Means,
Of the House of Representatives.

Gentlemen:

This Committee represents the American Association of Nurserymen, whose membership embraces all the nursery sections of the country, and is authorized to speak for the entire nursery interests of the United States.

Under the present tariff schedule, nurserymen are interested in Sections, No. 251 and 252 of Schedule G. Section 251 covers certain specified items of bulbs and plants on which the duty is twenty-five per centum ad valorem. We ask that the following items be placed in the free list for the reason that they are not propagated in this country, and we must depend on foreign countries for our supply, viz.: Rhododendrons, Azaleas, Tulips, Crocus, Hyacinths, Narcissi, Jonquils, Lilies, Lilies-of-the-Valley.

Section 252 provides for a mixed ad valorem and specific duty on certain fruit tree and evergreen seedlings, for a specific duty on rose plants, and for an ad valorem duty on items "not specially provided for."

For the purpose of our argument, we wish to divide this section into three paragraphs to be considered separately, and to ask for the insertion or addition of a new paragraph removing certain items from the class "not specially provided for" and establishing a specific duty on such items.

(a) We ask that the schedule be changed on the items of fruit and evergreen seedlings, to provide for a straight specific duty instead of the present mixed specific and ad valorem rate, and that evergreen seedlings as well as fruit tree seedlings be covered by the qualification of "three years old or less."

(It is the opinion of our Committee that this wording was intended in the present Tariff Law, and that the change was merely a typographical error.)

We ask that the duty on myrobolan, mahaleb, and mazzard seedlings be one dollar per thousand plants instead of, as at present fifty cents per thousand plants and fifteen per centum ad valorem; and on pear, apple, quince, and St. Julien plum, two dollars per thousand plants, instead of, as at present, one dollar per thousand plants and fifteen per centum ad valorem.

By reference to the catalogues of French nurserymen from the three principal nursery sections of France, we find that the proposed change means practically no difference in the actual dollars of duties paid, but simply a change in form. (For details of valuations and costs, supporting this argument, we refer you to our brief to be filed with your Committee.)

Now for the reasons: These seedlings are principally grown in France. They are a one-year crop like corn and potatoes, affected by weather and climatic conditions and therefore subject to quick and violent fluctuations in prices. At least 85 per cent. of the quantities imported are contracted for from three to nine months in advance of the actual delivery in January and February, at which time the seedlings are dormant and in proper condition for shipment.

Under the Tariff Law, the market value at port of export, at time of export, must govern the valuation on which duty is paid, and in this case, this market value is controlled by the ten or fifteen per cent. of the crop which may be unsold at the beginning of the shipping season. If the demand is heavy or the crop short by reason of a poor growing season, the prices go up. If, on the contrary, a favorable season has produced a surplus, the prices go down. In other words, it is not a stable, steady market, and therefore it is difficult for the nurseryman, who has bought early in the season to arrive at a correct valuation for the purpose of his custom house entry.

If he guesses too low and his valuations are below those fixed by the Board of General Appraisers, to whose schedule he does not have access, he becomes subject to heavy penalties and fines, although his valuations are made according to his best judgment, and may be much higher than his actual purchase prices.

If valuations at time of export are lower than his costs, he receives no benefit, as his entry must then be made at the higher cost price.

The present schedule means instability and fluctuations in cost to the nurserymen. The suggested change means stability and practically no change in the actual dollars of duty paid.

As nurserymen must wait three, four, five or more years after planting, before maturing and disposing of their crops, it will be conceded that stability in this matter is vitally important.

A specific duty will also tend to lessen the importation and planting of seedlings of inferior size and quality, which in most nursery sections of the United States will not produce strong, healthy, vigorous trees, and against which the present ad valorem rate counts for nothing; but which, if met with a specific duty, would be forced to find a market in other countries.

Previous to the passage of the present tariff law, very few of these fruit tree seedlings were grown in this country. Today at least ninety per cent. of all the apple seedlings planted are grown here, with smaller proportions of the other items.

(b) On rose plants, budded, grafted, or grown on their own roots, the present rate of duty is two and one half cents each. We ask that this rate be increased to four cents each.

Now for the reasons: When the present tariff act was passed, nurserymen were paying for labor from \$1.00 to \$1.50 per day of ten hours. We are now paying from \$1.50 to \$2.00 per day for the same labor.

In France and Holland, from whence roses and other finished nursery stock are principally imported, there has been no material increase in wages during the past ten years. Their average price for nursery labor, better skilled than ours is 40c to 60c per day of eleven hours for men, and from 30c to 50c per day for women, as against \$1.50 to \$2.00 for nine or ten hours' work in the nurseries of the United States.

When it is realized that a large proportion of the cost of a rose plant is labor, it will be conceded that four cents gives us now but little more protection than two and a half cents did when the present tariff bill was passed.

The soil, climate, and moisture conditions of Holland are particularly adapted to turning out rose plants quickly, and the Hollander grows 80,000 to 90,000 plants to the acre, here we grow 18,000 to 20,000 only in the same space.

He produces large rose bushes but the growth is forced, the wood is soft and pithy, and the plants do not succeed in our drier, colder, climate, seldom surviving over a year. The public does not know this and buys the plants because they are cheap. Thus are our prices fixed in Holland. The additional duty will help to control the situation.

If the present duty on roses is removed, the rose growers of the United States would quickly be driven out of business, and naturally the Hollanders would immediately increase their prices by the amount at least of the present duty rate, thereby preventing any benefit to the American rose buyer.

Our Committee is informed that Germany has established a Tariff Law on nursery stock which is practically prohibitive, resulting in closing that market against the Holland and French nurseryman, and leaving this country as the principal dumping ground for their surplus and inferior products, which cannot find a market elsewhere.

(c) We ask for the insertion of a new paragraph after the item covering rose plants as follows:

Conifer, two feet or more in height, transplanted stock, fifteen cents per foot, or fraction thereof.

Deciduous shrubs two feet high or more, transplanted, Pæonies and Clematis, five cents per plant.

Deciduous trees, three quarter inch in diameter and over, measured twelve inches above the ground, five cents per one quarter inch diameter or fraction thereof.

These five items are taken from the class "not specially provided for," at twenty-five per centum ad valorem and covered by a specific duty. In some cases the rate will be a little higher, in others a little lower, but the average increase will be slight.

The reasons for this request are our increased labor cost during the past ten years, and the difference between labor costs in this country and abroad as previously explained.

The nursery interests are large employers of laboring men, a very large proportion of the cost of trees and plants being made up by our labor pay rolls.

Further details as to costs, valuations, volume of imports, and rates, will be submitted in a brief to be filed later with your Committee.

THE AMERICAN ASSOCIATION OF NURSERYMEN,

By its Committee on Tariff,

IRVING ROUSE, Rochester, N. Y., Chairman,

WILLIAM PITKIN, Rochester, N. Y.

J. H. DAYTON, Painesville, Ohio.

F. H. STANNARD, Ottawa, Kansas.

JAMES M. PITKIN, Newark, N. Y.

THEO. J. SMITH, Geneva, N. Y.

A REQUEST.

The Tariff Committee at this time wish to request all nurserymen to write their Congressman. Asking him to use his influence with the members of the Ways and Means Committee and especially the Chairman of the committee Mr. Payne. That the resolutions as offered by the American Nurserymen's Tariff Committee be reported without change.

It is not necessary to write a long letter just ask that no change be made in the list presented by your committee.

IRVING ROUSE, *Chairman*

CROWN-GALL OF FRUIT TREES AND SHRUBS.

Most nurserymen are familiar with the experiments which have been carried on under the general direction of the Bureau of Plant Industry of Washington, with reference to the crown-gall of fruit trees. The Assistant in charge of this work, Mr. George G. Hedgcock has issued a bulletin on the cross inoculation experiments showing that a good many of the soft galls may be transferred with ease from one seedling to another. After citing the experiment somewhat in detail the writer of the bulletin presents the following summary of results.

"From the results obtained by five years' experimentation in the greenhouse with seedlings grown under carefully regulated conditions, the following facts are noted:

The soft galls from the almond, apricot, blackberry, cherry, peach, plum, prune and raspberry have been transferred easily to seedlings of the almond, apricot, peach and raspberry, less readily to those of the blackberry, cherry, plum, prune, and pear; and with great difficulty to seedlings of the apple, chestnut, walnut, and rose.

The soft galls of the apple, chestnut, walnut, rose and pear, as a rule, have not been transferred readily to any of the plants mentioned. Evidence has been obtained of a wide range of susceptibility in different varieties of the same plant. This has been noted in varieties of the apple, blackberry, cherry, chestnut, pear and rose."

Business Movements.

MAMMOTH CAVE NURSERIES.

Mr. Walter E. Campbell, who for the last ten years has been connected with the propagation departments of several of the leading nurseries of the United States and who is now employed in the landscape department of a well known eastern firm, will return to his old home in Bowling Green, Ky., the first of the year, and at once begin the formation of a general nursery. Mr. Campbell has been devoting all of his spare time for the past several years to the study of landscape architecture, and in connection with his nursery will do a general landscape business.

The name of the new firm will be The Mammoth Cave Nurseries, W. E. Campbell & Co., props., which will make a specialty of specimen trees and plants catering to the wholesale trade.

THE QUEEN'S FAVORITE FLOWER.

Mr. W. C. Hamer recently received a newspaper from his old home in England which happened to contain an account of the marriage of the daughter of Whitelaw Reid, the American Ambassador. This wedding was an important society event in London, being attended by the King and Queen, and the floral decorations were very profuse. The article stated that the royal pew was "a mass of 'Dorothy Perkins' Roses—the queens favorite flower." As this variety was originated in the nurseries of Jackson & Perkins Co., it is of much interest to know that it has become so popular in England. When Mr. George Perkins was abroad last spring he visited most of the leading English nurseries and he found that to mention his firm as the originators of the 'Dorothy Perkins' Rose was a very favorable introduction to English nurserymen. At the Temple Show, a big horticultural exhibition which is held at the Temple Gardens, London, in May of each year, the 'Dorothy Perkins' Rose was awarded a silver cup as being the best rose of its class and color that had been introduced in the past ten years.—From Newark Paper.

Legislation.

THE CITROUS FRUIT TRADE.

A committee representing citrus fruit growers in California visited Washington about the middle of November, for the purpose of securing an increase in the tariff on lemons. It was claimed that the present tariff failed to properly protect the home grower, and an increase of half a cent per pound is asked for. Florida fruit growers were asked to co-operate with the California delegation.

ADDITIONAL PROTECTION FOR THE LEMON INDUSTRY.

The Dingley Tariff Act took effect July 24th, 1897, one cent per pound on citrus fruits.

For the year 1897-08, California produced 15,153 carloads of citrus fruit, of which 1166 cars were lemons and 13,987 cars were oranges.

The present year, 1907-08, we produced 32,500 carloads, of which 5,000 cars were lemons and 27,500 cars were oranges.

The growers, now between 9,000 and 10,000 in number, with 100,000 acres planted, will receive this year upwards of \$20,000,000 less packing charges for their crop, while about \$13,000,000 is paid the transportation companies for freight and refrigeration.

The greater part of this fruit is grown upon land that 25 years ago was thought to be a part of the great American desert.

For the year, 1900, there were 7,865 carloads of lemons consumed in this country, of which 1,447 cars were California grown and 6,418 cars, or 82 per cent. were imported. The consumption has steadily increased until this year (1908) we have consumed 12,119 cars, of which 5,000 cars were California grown and 7,119 cars, or 59 per cent. were imported.

The digging out of lemon orchards because of poor returns to growers a few years ago, was stopped and an incentive given for planting new orchards by a favorable freight rate, which does not apply to oranges.

The imports of oranges have gradually decreased from \$1,097,596 in 1899 to \$275,060 for 1908, while the domestic exports of oranges have increased from \$282,313 in 1899 to \$1,255,104 for 1908, principally to the Canadian Provinces and the Northwest.

The foregoing figures indicate that we are now producing more oranges than are consumed in this country, but only 41 per cent. of the lemons.

The retail dealers are offering lemons to consumers at from eight to twenty cents per dozen as shown by printed newspaper ads. from many states; this indicates the tariff has not increased the price unreasonably to consumers, nor would it do so if the tariff on lemons were doubled; an additional one-half cent per pound on lemons could not effect the price over one and one-half cents per dozen on 300s or one and one-fourth cents per dozen on 360s, and would so stimulate the industry that in the next ten years we would supply every demand for consumption in this country, just what was promised would be done with oranges eleven years ago.

Citrus fruits are perishable and must sell daily for what they will bring—over 40 per cent are now sold under the hammer at public auction.

Our principal competitor in lemons is Italy, with orchard labor at 30 cents per day (our money) and a freight rate of 24 cents per box to New York. In regard to oranges, Italy and the West Indies are the largest exporters to this country, yet we have good reasons to guard against Mexico; orchard labor ranges from 30 to 50 cents per day in these countries while we pay \$1.50 and \$1.75 per day in California.

CONTRIBUTED.

National Nurseryman Publishing Co.,

Kindly renew our subscription for one year and note the change in the firm name and enter same accordingly. We like your paper and shall continue to take it as long as we are in the business, and then, it is a fine paper and fills a place no other publication does.

KELLOGG'S NURSERY, M. S. Kellogg, Prop.

BOOK REVIEWS.

"HOW TO LAY OUT SUBURBAN HOME GROUNDS." Herbert J. Kellaway. 9x6. 100 pages, illustrated. John Wiley & Sons.

The book aims to assist the owner of the small sized suburban plot in planning and planting his grounds. The volume emphasizes the necessity of building the plan before beginning the work, discusses the choosing of the home site, the making of the survey, various types of designs, the architectural adornment of the grounds, and then such practical suggestions as the making of the lawn, the selection and planting of the shrubs and herbaceous material. It is illustrated with fifteen sample plans showing the treatment of different kinds of sites. The work is strictly elementary, and will undoubtedly be of considerable service to the beginner. The half tone illustrations are decidedly amateurish in quality, and their small size detracts considerably from their usefulness. On the whole the volume will bring many useful suggestions to the person interested in developing the suburban or country home.

"THE ART OF LANDSCAPE GARDENING." By Humphrey Repton. Edited by John Nolen. 9"x6 1/4". 252 pages, illustrated. Published by Houghton, Mifflin & Co. Price \$3.00.

All students of the theory and practice of landscape gardening, especially those who have made a study of the literature of the subject, are fully aware of the important place occupied by Humphrey Repton, who lived from 1752 to 1818, and whose life was an exceedingly active one, both from the standpoint of written record and practical accomplishment. His own works are long since out of print, and available only to the few. It is pleasant to know that a new edition of his "Theory and Practice of Landscape Gardening," has been made available to the gardening public. The work really contains the principal part of Repton's two books, entitled "Sketches and Hints on Landscape Gardening," in addition to the "Theory and Practice of Landscape Gardening," mentioned above. The volume gives a short sketch of the life work of Humphrey Repton, who with William Kent, Shenstone and Brown, were responsible for inaugurating and putting into effect a great reform in the system of landscape gardening in England. This reform modified the old strictly formal system and introduced the naturalistic school.

The volume is well printed with facsimile copies of the illustrations from Repton's books, and will be found to be of great service to teachers and students of landscape art. The principles of the art are quite clearly defined by Repton and these with his ingeniously devised illustrations place the whole matter in clear view before the reader.

OUR BOOK TABLE.

"THE PRINCIPAL SPECIES OF WOOD. THEIR CHARACTERISTIC PROPERTIES." Charles Henry Snow, C. E., S. C. D., 10"x6 3/4" 212 pages including indexes. Illustrated by half tone plates. Printed on heavy surface paper, published by John Wiley & Sons, New York. Price \$3.50.

This volume aims to describe the important species of wood so that their economic values may be readily distinguished. The volume has special value for the engineer as it includes data on the strength and durability of different woods.

The method of treatment is essentially as follows: Taking the Larch as an example, historical; sources; structural and physical peculiarities; botanical characteristics. In the same way are treated the principal lumber producing woods of America.

The volume is divided into three parts: Part One being devoted to an introductory discussion of definition, structure, weights and consumption of wood; Part Two taking up exogenous series including the principal hard and soft woods of America. This group then includes our chief deciduous timbers as well as the great coniferous group of trees of which the palm is a prominent member. To the engineer, the forester and the nurseryman, this book may be commended as one containing a large amount of information of a useful and practical character.

MICHIGAN.

The Michigan State Horticultural Society holds its annual meeting in South Haven, in conjunction with the South Haven and Cason Pomological Society, on December 1, 2 and 3, 1908.

Quiz Column

PROPAGATING BUSH FRUITS.

Can we propagate dewberries, black-caps, etc., by cane cuttings? We are short of that stock just now and can't increase fast enough by the ordinary method of tipping or root cuttings, etc. Can one make root cuttings of raspberries and dewberries?

We have seemingly been unable to find anyone who was able to tell us and we do not desire to make an expensive experiment.

We would consider it a great favor if you are able to answer on this point.

We have eight thousand pears that had their buds frozen out last winter, can we dig them this fall and winter graft to apple? They are very healthy and have made a good growth. We have been told that it would be fairly successful but do not feel like putting in over thirty thousand grafts on a guess.

Idaho.

G. C. T.

ANSWER.

We are pleased to give you the following answer. It is possible to strike dewberries and black caps from cane cuttings but this would not be a profitable way to propagate them. Your percentage of successes would be so small that it would not pay. You may put it down as a rule that small success will attend the growing from cuttings of any plants which have a large amount of pith in the cane. Then again this type of plant you mention is biennial in regard to the life of the cane, therefore only the first season canes would be suitable for propagation. The sprouting types of raspberries will grow readily from root cuttings but the varieties which strike from tips do not strike easily. This is also true of dewberries. Most varieties of raspberries may also be grown from shoots of the young wood but this is possible only under carefully controlled bench conditions. We would not advise you to make an expensive experiment.

Apple may be grafted on pear, but it is a poor thing to do. The cion and stock will unite but the subsequent growth is unsatisfactory. The apple will make little growth until it gets entirely on its own roots which is likely to occur in a few years. We are of the opinion that it would be more profitable to keep the stocks in the ground until next spring and then crown graft them carefully right in the nursery row.

ED.

NEW BOOKS.

MacMillan & Company announce the early appearance of a number of new books. "The Physiology of Plant Production," of Dr. B. M. Duggar of Cornell University is to discuss the life relations of plants and crops from a fundamental point of view.

"Bacteria in relation to Country Life," is to give "Intelligent readers and the student a rational view of the relation of germ life to the operations of agriculture and to the affairs of the household." This is by J. G. Lipman of the New Jersey Experiment Station.

"Fruit Insects," by Prof. M. B. Slingerland will tell of the injurious fruit insect pests.

"Principals of Soil Management," by T. L. Lyon and E. O. Fippin is to discuss the best current information on the structure, composition, properties and adaptability of soils in a rounded and comprehensive way.

PERSONAL

James McHutchinson of McHutchinson Company, N. Y., called on Nurserymen and Florists in Rochester the last days of November.

H. Frank Darrow, of The H. Frank Darrow Company, N. Y., paid a visit to the Rochesterian Nurserymen and Florists on his way home from an extended trip through Canada and the Western States

National Nurseryman Pub. Co.,

Inclosed find draft for \$1.00, for renewal of subscription. We must have the NATIONAL NURSERYMAN as long as we are in the Nursery business.

Yours truly

St. JOHN NUR. CO., Minn.

CUSTOMS DECISIONS AFFECTING IMPORTERS OF NURSERY STOCK.

No. 19946.—NURSERY STOCK—BOXWOOD.—Protest 201913 of American Express Company (Boston).

An article invoiced as *Buxus arborescens* and commonly known as boxwood, which was classified as nursery stock under paragraph 252, tariff act of 1897, was claimed to be dutiable under the provision in the same paragraph for evergreen seedlings.

WAITE, General Appraiser: * * * That boxwood is an evergreen is conceded, but the protestants have not sustained their claim that these importations were seedlings. The Government has offered in evidence the testimony of the examiner of nursery stock at the port of New York, whose experience and acquaintance with such merchandise covers a period of forty years. He states that, although it is possible to raise from the seed such plants as imported, as a matter of fact it is not done; that they are started from cuttings for the reason that too long a time is required to germinate from the seed.

In the light of such testimony and in the absence of any evidence sustaining the importers' claim, we overrule the protest.

No. 19947.—FLOWER SEEDS—SEEDS OF SHRUBS AND VINES —Protest 296313 of Henry & Lee (New York).

Merchandise classified as seeds not specially provided for under paragraph 254, tariff act of 1897, was claimed to be free of duty under paragraph 656 (flower seeds), or paragraph 548 (seeds which are drugs). Protest overruled.

WAITE, General Appraiser: * * * No testimony was taken in the case and no samples produced. The appraiser's report shows the importation in question consists of seeds of *salisburia* (an ornamental tree), *wistaria* (a climbing shrub), *limonia* (shrub), *ilex* (holly), and *pueraria* (a tuberous-rooted climbing plant). We do not think the seeds of a shrub or tree or a hardy vine, such as holly or *wistaria*, were intended to be included within the description of flower seeds in paragraph 656. In our opinion, the commodity is not assessable under that paragraph nor under paragraph 548, but is correctly classifiable as seeds not specially provided for and assessable as found by the collector at 30 per cent ad valorem.

No. 19948.—SEEDLINGS OF PINE AND SPRUCE—EVERGREEN SEEDLINGS.—Protest 207,142 of Chas. D. Stone & Co. (New York).

The protest related to seedlings of white pine and blue spruce, classified as evergreen seedlings under paragraph 252, tariff act of 1897. Assessment affirmed.

WAITE, General Appraiser: * * * The importers claim that "both these varieties of trees shed their foliage in the winter time, and are therefore manifestly not evergreen," but should be dutiable as nursery or greenhouse stock at 25 per cent ad valorem under the same paragraph.

The above-quoted statement of the protestants, upon which they base their claim, would seem to have been made in error, for the trees named are perhaps among the best known of the evergreens. They are found in the forests in the north of our country, and their characteristics are so well known that all authorities agree upon their habit of always retaining their leaves. We consider this to be matter of common knowledge, and the mere statement of the fact suffices.

Copy of H. R. 21318. As amended at conference of Entomologists, Agricultural Chemists and Manufacturers, held in New York City, June 18th, 1908.

A Bill for preventing the manufacture, sale, or transportation of adulterated or misbranded fungicides, Paris greens, lead arsenates, and other insecticides, and for regulating traffic therein, and for other purposes.

Be it enacted by the Senate and house of Representatives of the United States of America in Congress assembled, That it shall be unlawful for any person to manufacture within any Territory or the District of Columbia any insecticide, Paris green, lead arsenate or fungicide which is adulterated or misbranded within the meaning of this Act; and any person who shall violate any of the provisions of this section shall be guilty of a misdemeanor, and for each offense shall, upon conviction thereof, be fined not to exceed five hundred dollars, and for each subsequent offense and conviction thereof shall

be fined not less than five hundred dollars, or sentenced to one year's imprisonment, or both such fine and imprisonment, in the discretion of the court.

Nurserymen and fruit growers can aid the passage of this bill by writing to congressmen and senators urging its need.

PEACH YELLOWS.

HEALTHY PEACH PITS.

The following open letter by the State Entomologist of Virginia calls attention to a very important matter:

This is to again call your attention to the important question of controlling peach yellows. While this disease had caused considerable loss and destroyed many orchards in this state prior to 1900, the peach industry sprang up in other sections, and little attention was paid to the trouble until within the past three or four years. Since then it has threatened the very existence of the peach industry. This disease is transmitted by peach pits, and also by buds taken from diseased trees, even from healthy portions of diseased trees.

This makes it absolutely necessary for nurserymen to look carefully to the source of their peach pits and bud-sticks. Many of our state nurserymen have already responded to this suggestion, and procured their peach pits under certificate of freedom from this disease, and we hope non-resident nurserymen who sell in the state will do the same. We append below to non-residents a copy of a circular letter recently sent to our state nurserymen in regard to peach pits.

We must also ask that state nurserymen, where they have not yet done so, make it their duty to see the orchards near them several times during the year, and call our attention each time to any case where they find diseased trees. If trees diseased with yellows standing in orchards near nurseries are destroyed promptly, as soon as they show the first symptoms, healthy nursery trees can be grown, even in sections where this disease is prevalent, and we shall so advise orchardists who wish to purchase peach trees. A large trade cannot, however, be expected in this line immediately.

We hope non-resident nurserymen will take this up with their inspectors, and see that conditions are equally as good. Georgia and California authorities advise the purchase of peach trees from sections only that are free from yellows. We must come to the same thing, unless nurserymen use due diligence to protect, not only their premises, but co-operate to the fullest extent in keeping the disease in check in the orchards near them.

This disease has a long period of incubation. Nursery trees are not likely to show the presence of the disease the first year, and it is difficult to detect the disease in the nursery; hence the inspection must be carried to the orchard. If a reasonably large percentage of trees show yellows within a few years after planting in the orchard, this indicates that some of the trees were diseased when they left the nursery. We have often observed such conditions during the past few years, and we hope nurserymen will pay such attention to this matter that these cases will not be found in the future.

Peach growing is one of the most important industries of this state, and, if properly protected, will develop now with great rapidity, and there will be a greatly increased demand for nursery trees. Hence it is greatly to the interest of nurserymen to use every means in their power to help control the disease.

Yours very truly,
J. L. PHILLIPS,
State Entomologist.

WHEN IN DOUBT, ADVERTISE.

Enclosed you will find two dollars and fifty cents payment for my ad in your journal, October issue. Since running this ad with you, I have contracted for all my seed and therefore I will be obliged to recall it for the present. However, as soon as I can get an estimate of my spring work, I will return with an ad which can remain. I received many returns from the ad and am well satisfied.

F. N. GRAASS.

AUTHOR'S INDEX

- Alabama Nursery Co.—Hardiness 131
- Barry, W. C.—Paper on Roses (Summary)..... 369
- Bernardin, E. P.—Conditions in Kansas..... 368
- Cleveland, Grover—Ex-Presidents..... 58
- Coates, Leonard—The Nursery Business in California..... 337
- Cochrane, Geo. A.—Foreign Apple Markets; Packing..... 339
- Cole, W. B.—Opinions of Inspectors 93
- Cole, W. B.—Organization in Ohio..... 54
- Conrad & Jones Co.—Review of Season 11
- Craig, Prof. John
- Convention 199, 264
- Editorial Wanderings..... 159, 205, 236, 261, 296, 329, 391
- Everblooming Hydrangea..... 17
- Swiss Roads..... 301
- Top-working Pecans..... 46
- Cureton, James—Review of Season 10
- Douglass' Sons—Review of Season 12
- Earle, Parker—Blooming of Fruit Trees 303
- Farmer, L. J.—Hints on Planting Roses..... 336
- Femmons, Frank—Apple Notes from California 58
- Femmons, Frank—Blooming of Fruit Trees..... 303
- Flanders, G. L.—Inspection in Texas..... 19
- Gage, J. A.—Review of Season 13
- Gaines, J. W.—Cherry growing..... 208
- Girardeau, J. H., Jr.—How We Propagate 45
- Green, F. D.—Review of Season..... 12
- Greene, H. C.—Federation of Tree-growing Clubs 309
- Griffin, C. M.—Pecans in Georgia and Florida..... 43
- Harrison, J. G. & Sons—Review of Season 13
- Harrison, Orlando
- Consolidation of Protective Associations..... 233
- Impressions on European Nurseries and Orchards..... 365
- Uniform Inspection 54, 59, 199
- Heikes, W. F.—Address..... 121
- Henby, J. K. & Sons—Review of Season..... 10
- Hill, J. W.—Address 265
- Hobbs, C. M. & Sons—Conditions in Indiana 368
- Hobbs, C. M. & Sons—Review of Season..... 10
- Holman, E. J.—Proceedings of Western Ass'n. of Nurserymen. 52
- Hood, W. T. & Co.—Review of Season..... 9
- Hubbard, T. S., Co.—Review of Season..... 11
- James, S. H.—Pecan Growing..... 47
- Jarvis, C. D.—Remedy for San Jose Scale..... 210
- Josselyn, Geo. S.—Address 227
- Ken, John S.—The Great Southwest..... 278
- Lopeman, J. A.—Review of Season..... 95
- Mayhew, C. C.—Preparing Nursery Land..... 238
- Merrick, Frank L.—The Next World's Fair..... 164
- Miller, S. A.—American Association of Nurserymen..... 160
- New England Nurseries—Conditions in New England..... 368
- New York Packer—"Short" Apple Barrel..... 17
- Newell, Wilmon—Louisiana Legislation..... 96
- Patterson, Walter—Residue from Fumigation..... 170
- Pilkington, J. B.—Elements for Success in the Nursery Business 278
- Pitkin, James—The Policy of Sending out cheap lists 277
- Pitman, Wm.—South Dakota Decision..... 97
- Powell, G. H.—Packing Apples 17
- Pratt, E. H.—Storage of Grape Vines..... 369
- Reed, W. C.—Review of Season 10
- Risien, E. E.—Risien Method with Pecans..... 48
- Scarff, W. N.—Review of Season..... 12
- Scott, W. M.—Self-boiled Lime-Sulphur..... 273
- Seager, Geo. C.—Secretary's Report..... 229
- Smith, E. D.—Conditions in Ontario 370
- Smith, W. & T., Co.—Review of Season..... 11
- Sonderegger, C.—Review of Season..... 13
- Spaulding, Irving E.—A "Training" Letter 340
- Stark Bros. Nurseries & Orchards Co.—Overcharge and Loss
- Claims 51
- Stark, Eugene W.—A Few Points on Improvements..... 276
- Stark, William P.—Fruit-growing in the Rocky Mts. and North-
- west 364
- State Officers—Opinions on Inspection and Fumigation..... 93
- Stephens, E. F.—Fruit-growing in Nebraska 333
- Storrs & Harrison Co.—Review of Season..... 11
- Taylor, Wm. A.—Pecan-growing 43
- The Delicious Apple..... 371
- Thornber, W. S.—Fruit growing in Washington..... 163
- Underwood, J. M.—Storage Cellar for Nursery Stock 246
- Waugh, Prof. F. A.—Buying Nursery Stock 204
- Wight, J. B.—Pecan Grove Farm, Nursery and Orchard... 45
- Will, Thos. E.—Appalachian—White Mountain Bill..... 58
- Willis, A.—Review of Season..... 12
- Wilson, J. F.
- Nut Notes 333
- Pecan Tree..... 8
- Yates, C. L.—Treasurer's Report..... 229
- Young, John A.—Review of Season..... 13
- Youngers & Co.—Conditions in Nebraska..... 370
- Youngers & Co.—Transportation..... 18

SUBJECT INDEX

- A Careful Review of the Grape Situation, Past and Present.. 392
- A Society for the Protection of Plants from Insects and
- Fungus Pests 395
- A Parasite for the Elm Leaf Beetle 396
- Adulteration of Insecticides..... 396
- A Request..... 400
- Additional Protection for the Lemon Industry 401
- Absentee, a Word from an..... 264
- Advertisers, Notice to 00
- Apple Barrel, "Short"..... 17
- Apple, Delicious 371
- Apple Exchange Proposed..... 152
- Apple Grafts, Dipping for Aphis..... 17
- Apple, Magnate..... 235
- Apple Stories..... 19
- Apples, California..... 58
- Apples, Foreign Markets 339
- Apples, Hood River 19
- Apples, Markets 373
- Apples, Oregon 339
- Apples, Packing 17
- Apples, Paradise Stock..... 302
- Apples, Seedless 237
- Apples, Standard Barrels..... 336
- Austrians as Laborers..... 163
- Avocado 339
- Belgium an Apple Growing Country..... 393
- Burbank, Luther, Productions 22
- Business Movements 16, 58, 95, 128, 166, 209, 274, 308
- Catalogues Received..... 57, 129, 171, 307, 374
- Chase & Co..... 127, 151
- Cheap Lists, Advisability..... 277
- Cherries, Western 273
- Cherry, Stocks for Japanese Weeping..... 277
- Cherry-growing 208
- Citrus Crop, Florida 19

Conference of New England Governors	395	Oklahoma	16
Control of Nursery Pests	396	South Dakota, Inspection	97
Crown Gall of Fruit Trees and Shrubs	401	Spraying Laws	366
Customs Decisions Affecting Importers of Nursery Stock	403	Tariff Decisions	373
Continental Nurseries	225	Texas, Inspection	16
Craig, Prof. John, Illness	127	Uniform Nursery Inspection	21, 51, 54, 59, 199, 234
Date in the U. S.	170	Utah	16
Dipping vs. Fumigating	88	Literary Note	58
Drought, The	335	McCormick Nursery Co.	274
Editorial Wanderings		Mammoth Cave Nurseries	401
A Short Cruise Among Fredonia Grape Growers	391	Market Gardener's Journal, The	127
Algiers and Italy	236	Mistake, A, Corrected	89
Azores and Mediterranean	205	National Apple Show	164
Germany and Holland	299	National Nurseryman, Removal	232
Holland	329	National Nut Growers Association	395
Italy and Switzerland	261	New Year, The	14
Voyage	159	Nomenclature, Rules of	15
Education, Industrial	239	Notes on Chautauqua and Lake Erie Grape Belt	393
Education, Southern Conference	161	Nurseries and Orchards, European	365
Exhibitions	332, 333, 335, 371, 372	Nurseries of Pennsylvania	187
Exhibits, Value of	158	Nurseries, Spring Reports	189
Express Companies	15	Nursery, Summer Work	194
Express Companies, Rate-reduction	162, 245	Nursery Agent, Letter to	340
Fence Posts	239	Nursery Business, Elements for Success	278
Fertilizers, Need of, for Orchards	247	Nursery Business, Improvements	276
Fertilizers, Valuation	247	Nursery Business in California	337
Floods in Florida and Georgia	338	Nursery Business in Older States	195
Floriculture, Europe	299	Nursery Conditions in Connecticut	394
Foliage, Distinctive Characteristics	300	Nursery Firm, New	125
Forest Conservation, State Laws	302	Nursery Implements	159
Forest Trees for Nebraska	302	Nursery Land, Preparation	238
Forestry as a Business	300	Nursery Stock, Buying	204
Forestry at Harvard	372	Nursery Stock, Dipping	15, 88, 97
Forestry, Chair of, Yale	22	Nursery Stock for China	57
Forestry, National	245	Nursery Stock, Storage Cellar	268
Frost-alarm, A	163	Nursery Stock, Storing	268
Fruit at N. Y. State Fair	335	Nurseryman a Benefactor	200, 272
Fruit Grower, The	206	Nurserymen and Pomologists, Pioneer	197
Fruit-growing in Far West	000	Nurserymen of Wisconsin	398
Fruit-growing in Nebraska	333	Nut Growing in the Middle Atlantic States	333, 398
Fruit-growing in Washington	163	Nut Notes	50
Fruit-trees, Heading of	194	Nut-culture, Association	Obituary
Fruit-trees in Washington	239	Castle, E. J.	165
Fruit trees, time of Blooming	303	Crow, Alexander	306
Fruit trees, "Tonic"	279	Darlington, E. D.	165
Fruits, Quantity vs. Quality	268	Davenport, Prof. Geo. E.	18
Fumigating Nursery Stock	89	Gallagher, John	18
Fumigation		Greening, John W. C.	306
Value of Residue	170	Hanswirth, Philip J.	18
Fungi in Cellars	300	Holton, Miss Nina	207
Gooseberry Mildew in England	367	Hoyt, Edwin	207
Grafting Competition	304	Hukill, Alexander	18
Grape vines, Storage	369	Husted, James D.	22
Hardiness	131	Jacquement, H. N.	207
Horticultural Anniversaries	395	Johnson, W. B. K.	95
Hydrangea, Everblooming	17, 271	Johnson, Willis Grant	165
Illinois Horticulturists	398	Kellerman, Prof. W. A.	165
Inventions	235	Lucas, A. L.	18
Irrigation of Orchards	301	McGann, John A.	306
Irrigation		Maxwell, Thompson Clarke	96
Sixteenth National Congress	332	Moore, Jacob	95
Jewell Nurseries, Story of	5	Nicholson, George	374
Journal of Economic Entomology	269	Owen, William	165
Kew, Visitors to	170	Pratt, Major Edwards H.	165
Kieffer Pear in New England	339	Quinn, Joseph	207
Lebreton Nurseries	327	Rawson, Warren W.	306
Legislation		Spooner, William H.	165
Forest Conservation	58	Veitch, James H.	18
Inspection	93, 94	Old Northwest, The	14
Louisiana	96		

Orchards, Fertilizing	000
Orchard Tillage	126
Packing, Boxes vs. Barrels	334
Packing for Foreign Markets	339
Parcels Post	153
Parcels Post in Germany	245
Parcels Post, to United Kingdom	301
Parsons & Sons	57
Peach Leaf-curl	125
Peach Yellows	403
Pear Blight "Remedy"	374
Pecan Notes	308
Pecan Tree	8
Pecan growing, California	19
Pecan growing, Symposium	43
Persimmons, Removing Pucker	19
Personal Word, A	334
Personals	20
Personal and General	397
Pistachio Nut in the U. S.	170
Pitkin, William	162
Planting, Fall vs. Spring	269
Planting, Inspection	301
Planting, Need of Care in	126
Plums, Geneva Sta. Exhibit	333
Plums, Hybrid	339
Politics	
Independence	162
J. B. Morey	125
Orlando Harrison and no-license	206
Postal Regulations, New	161
Propagating Bush Fruits	402
Public Domain, Leasing	304
Review of Season	
Georgia	10
Illinois	12
Indiana	9, 10
Kansas	12
Maryland	13
Nebraska	13
New York	11
North Carolina	13
Ohio	11, 12
Pennsylvania	11
South Dakota	13
Virginia	9
Rice Brothers Company	293
Roads, Swiss	301
Root Knot, on Apple Trees	15
Rose growing, New Plant for	96
Roses, Hints on Planting	336
Roses, W. C. Barry on	369
Salem Cherry Fair	238, 279
San Jose Scale in Idaho	170
San Jose Scale Remedy	210
Seeds, Report of Crop	340
Shrubs for Autumn	302
Societies:	
Alabama State Horticultural Society	121, 122
American Ass'n. of Nurserymen Addresses	235
Annual Convention	227
Benefits	160
Chairmen, 1908	269
Charter Members	193
Exhibits, 1908	242
Fee, etc.	155
Presidential Address	265
Presidential Entertainment	269
Registry, 1908	241
Report	20
Roster	188

Veteran Members	203
American Forestry Ass'n	58
Ass'n. of Farmers' Institute Workers	332
Canadian Horticultural Ass'n	305
Connecticut Horticultural Society	122
England	170
Georgia Fruit Exchange	372
Georgia State Horticultural Society	267
Guelph Horticultural Club	168
Idaho State Horticultural Ass'n	122
Illinois State Horticultural Society—Report	124
Indiana Horticultural Society	20
International Apple Shippers' Ass'n	20
Louisiana State Horticultural Society	59, 123
Maine State Pomological Society	332
Massachusetts Horticultural Society	309
Maryland State Horticultural Society	58, 299
Miami Valley Nurseryman's Ass'n	123
Napanee Horticultural Society	168
National Association of Retail Nurserymen	51
National Council of Horticulture	305
National Dahlia Union	332
National Irrigation Congress	332
National Nut-Growers' Ass'n	50
Nebraska Horticultural Society	124
Newport Horticultural Society	309
North Dakota Horticultural Society	123
Notes	169, 210
Ohio	54
Oregon	122
Orondo, Washington	170
Royal Horticultural Society	332
St. Joseph Horticultural Society	124
South Dakota Horticultural Society	123
Southern Nurserymen's Association	295, 332, 374
Tennessee Nurserymen and Horticulturists	20
Texas Nurserymen's Ass'n	275
Texas Nut Grower's Ass'n	132
Texas State Horticultural Society	295
Tree growing Clubs	309
Washington Horticultural Society	123
Washington State Horticultural Association	395
Western Association of Nurserymen	52, 275
Western New York Horticultural Society	54, 239
Wisconsin	123
Wisconsin State Horticultural Society	299
Worcester County Horticultural Society	123
Solanum commersoni	170
Southwest, The Great	278
Spray-injury	366
Spraying	
Compulsory	168
Fungicides, Insecticides and Spraying	305
Laws	366
Lime-sulphur, self-boiled	273
Machinery, Improvements in	90
Need and Principles	83
Nursery Stock	158
On Spraying	88
Potatoes	397
Spruce, Colorado Blue	299
Sterilizing Tank for Soil	336
Stock, Influence on Cion	367
Stocks, Cherry	194
Storrs and Harrison Company	359
Storage of Nursery Stock	397 + 274
Strawberries, Cover-crop Mulch	20
Strawberries from Seed	339
Transplanting Large Tree	89
The Queen's Favorite Flower	401
The Citrus Fruit Trade	401
The Amende Honorable	397
The President	398
Tariff Committee at Washington	399
Transportation	
Bill of Lading	207
Over charges	51
Rates	89, 162, 245, 301
Suggestions	18
Tree-planting, Reasons for	304
Tunica saxifraga	271
Varieties, New	234
Virginia County Fruit Growers Organize	395
Wedding, Stark-Wilson	272
Windbreak	168
Winter Protection	19
World's Fair, The Next	164
Yucca, New Use	304

MISTAKEN IDENTITY.

Irvin Cobb tells a story of a little, weary negro who went into a resort in Natchez, displayed a large roll of bills and bought a drink.

As he was paying for it another negro came in, very large and very black. He looked at the little man and said: "Niggah, whar you git all dat money?"

"Bah-tendah," said the little negro, by way of a reply, "Ah think Ah shall tek a bottle of dat-ah stuff. 'Pears quite satisfyin' tuh me."

"Niggah," roared the big one, "whar you git dat money? I ast you. I's the town bully, I is. I follow bullyin' foh a trade. Whar you git it?"

The little negro began stuffing the money back into his pockets. "Seems to me," he mused, "I ain't got 'nuff pockets to hold all mah wealth."

The big negro jumped at the little one. "You hear what I said?" he demanded. "I's the town bully an' I wanten know whar you git all dat money?"

Quick as a flash the little negro uppercut the big one, catching him on the point of the jaw and knocking him down. In a moment the big negro revived enough to look up from the floor and ask humbly: "Niggah, who is you, anyhow?"

"Why," replied the little one, blowing his knuckles, "I's th' pusson you thought you wuz when you come in."—*Saturday Evening Post*.

ANNOUNCEMENT OF KELLOGG'S NURSERY.

To Our Friends and Customers:

The partnership which has existed heretofore between L. L. and M. S. Kellogg, under the firm name of Geo. J. Kellogg & Sons, has

been dissolved; L. L. Kellogg retiring. The business will be continued by M. S. Kellogg, under the firm name of Kellogg's Nursery, and we shall endeavor to furnish our customers with the same high grade stock as we have in the past and at prices that will save them money.

All accounts owing to or by the firm of Geo. J. Kellogg & Sons are assumed by Kellogg's Nursery.

Thanking all who in the past have given us the opportunity to serve them, and hoping to have the pleasure of doing so in the future, we remain,

Very truly yours,

KELLOGG'S NURSERY,

Janesville, Wis.

M. S. Kellogg, Prop.

CATALOGUES RECEIVED.

From the California Rose Company of Pomona, Calif., a very attractive looking catalogue of Roses. The cover bears the wonderful new red Rose, Etoile de France. The catalogue contains splendid illustrations.

An illustrated and descriptive catalogue of fruit and ornamental trees, shrubs, plants, roses, etc., from Milton Nursery Co.; Milton, Ore.

The following officers were elected for the ensuing year at the annual meeting recently held at Mt. Vernon, Ill.: J. C. B. Heaton, president, New Burnside; W. S. Perrine, vice-president, Centralia; A. S. Halstead, 1st vice-president, Bellville; L. N. Beal, 2d vice-president, Mt. Vernon; E. G. Mendenhall, secretary-treasurer, Kinmundy, Ill.

ESTABLISHED 1885

W. F. HUMPHREY

Publisher, Printer, Binder, Ruler and Blank Book Manufacturer

MAKER OF

Nursery Catalogues, Trade Lists, Etc.

Send for Sample Stock Catalogue

3 LINDEN STREET,

GENEVA, N. Y.

Bridgeport Nurseries

CHERRY
CHERRY
CHERRY

together with our usual line of other
Fruits and other Ornamental Stock for
Fall, 1908.

CHERRY
CHERRY
CHERRY

C. M. HOBBS & SONS,

Successors to
ALBERTSON & HOBBS,
BRIDGEPORT, IND.

Nursery Stock

Walter Charles Slocock

GOLDSWORTH NURSERY

WOKING, SURREY, Eng.

HAS THE USUAL EXTENSIVE STOCK OF
THE FOLLOWING :

CONIFERS including a quantity of well shaped
specimens for decorative purposes. Low prices can
be quoted on all Conifers.

HARDY ORNAMENTAL EVERGREEN AND
DECIDUOUS TREES.

ROSES, Standards, Dwarfs and others.

MANETTI and other ROSE STOCKS.

FRUIT TREES in large quantities.

Transplanted FRUIT TREE STOCKS.

RHODODENDRONS and other AMERICAN
PLANTS.

(A good stock of all hardy varieties of Rhododendrons.)

CLEMATIS and other HARDY CLIMBING
PLANTS.

Transplanted FOREST TREES.

THE STOCK IS IN EXCELLENT CONDITION
LARGE QUANTITIES SHIPPED ANNUALLY.

McHUTCHISON & CO.

17 Murray Street, NEW YORK CITY

Representing in United States and Canada

Vincent Lebreton, Angers, France

Grower and Exporter of

FRUIT and ORNAMENTAL SEEDLINGS

Such as

Pears, Apples, Mahalebs, Mazzards, Myrobolans,
Angers Quince, Manetti, Etc.

Also a Full Line of Ornamental Stocks.

Exports Exceed 20,000,000 Stocks Annually.

Write for special prices, lists, catalog, etc.

Schaum & Van Tol, Boskoop, (Holland)

Wholesale Growers of

H. P. and TREE ROSES, RHODODENDRONS,
HARDY AZALEAS, BOXWOOD, PAEONIES,
CONIFERS, Etc.

Also full line of Boskoop grown stock.

Write for special price lists, catalog, etc.

Union Nurseries, Oudenbosch, (Holland)

LARGE GROWERS OF

NORWAY and SCHWEDLER MAPLES, HORSE
CHESTNUTS, RIVERS PURPLE BEECH,
THORNS, LIMES, ELMS, PLANES, Etc.

Also Full Line of Evergreens.

Large Quantities.

Lowest Prices.

Write for special price lists, catalog, etc.

Royal Tottenham Nurseries

Deedemsvaart, Holland

Largest Growers of

HERBACEOUS PLANTS, PERENNIALS, ETC.

Write for catalog.

We are direct importers of

ENGLISH MANETTI, RHODENDRONS, Etc., JAPANESE
NURSERY STOCK, MAPLES, SCIADOPITYS, TREE
PAEONIAS, THUYA, JAP BULBS, Etc.

BAY TREES

Pyramids and Standards from Belgium

RAFFIA, Red Star Brand,

The Nurseryman's Grade.

Long, Strong, White Strands in Braided Hanks.

Stock always on hand. Samples sent free.

BALE LOTS ONLY

SHIPPING. We have our own Custom House Depart-
ment. Special facilities at Havre, Antwerp, Rotterdam,
Southampton, Hamburg, etc. Lowest rates consistent
with perishable nature of stock.

McHUTCHISON & CO.

17 Murray Street,

NEW YORK.

SILVER LEAF NURSERIES

We offer a general line of Nursery Stock for Fall 1908 and Spring 1909. Heavy on 1 year Peach, 2 year Pear, 2 year Cherry, 1 and 2 year Plum.

Especially heavy on the following:

PEACH:—Sneed, Greensboro, Mamie Ross, early and late Crawford, Smock, Old Mixon F., Elberta.

PLUM:—Wild Goose, Red June, Burbank, Wickson.

CHERRY:—Early Richmond, Dye-house, Governor Wood.

PEAR:—Kieffer, Garber, Duchess.

Your orders, large or small solicited.

C. C. DAVIS

ROSE HILL, VA.

The Willadean Nurseries

OFFER FOR FALL 1908

A large assortment of Fruit, Shade, Ornamental and Weeping trees, Shrubs, Vines. Evergreens, Roses, Herbaceous plants, and Forest Tree Seedlings in large quantities. Tree Seeds we will have our usual supply. Send for list.

Large stock of Snowballs, Weigelias, Berberis, Spirea Van Houtti and other shrubs from 2 to 8 feet. Special prices on above.

Trade list ready Sep't. 1st, send for copy.

THE DONALDSON COMPANY,
WARSAW, KENTUCKY.

Peach, Apple and Shade Trees

J. M. Van Dervoort & Son, Wilmington, O.

Grafted Pecan Trees THE NUT NURSERY CO.

R. C. Simpson, Mgr., MONTICELLO, FLA.

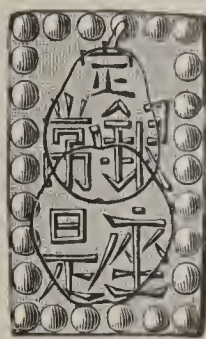
A BARGAIN IN STANDARD PEARS. Extra size, 6 to 7 ft.; 1 inch and up 5 to 6 ft.; 3-4 and up. Mostly Bartlett.

Can also furnish a few of the leading varieties.

It will be worth while to get our prices before buying elsewhere
Address,

PIONEER NURSERIES COMPANY,
Salt Lake City, Utah.

When writing to Advertisers mention The National Nurseryman.



HEIKES -- HUNTSVILLE -- TREES

HUNTSVILLE

Wholesale Nurseries

HUNTSVILLE, ALA.

We offer for Fall of 1908, Spring of 1909, Pears, Plums, Cherries, Peaches, Roses, and Pecans in large quantities as usual.

SPECIALTIES

KIEFFER PEARS—Which we grow in larger numbers than any other nursery in the United States. Our stock for the coming season, while not as large as usual, will be sufficient to enable us to make reasonable prices.

PEARS, Assorted Standard—Our assortment comprises Koonce, Early Harvest, Le Conte, Howell, Bartlett, Smith's, Garber, Duchess d'Angoleme, Japan Golden Russet, Magnolia, Beurre d'Anjou and Lawrence.

CHERRIES—We are also the largest grower of Cherries; but our stock of two years old for this season will be comparatively short.

PEACHES—We also excel in Peaches, and of these we will have both in one year and June buds the largest stock we have ever grown.

PLUMS—A light stock of these for this year.

PECANS—We continue to make a specialty of grafted Pecans. These are grown at our branch nurseries at Biloxi, Miss., where the conditions are very favorable for their propagation.

ROSES, Budded—These are also grown at Biloxi, Miss., because of the favorable conditions found there for their propagation. Our stock is large, consisting principally of Hybrid Perpetuals, Mosses, Crimson Rambler, Baby Rambler, and Marechal Neil.

See Our Price List for Particulars.

SOMETHING NEW—A Root-Graft Wrapping Machine invented by W. H. Bell, the Superintendent of these nurseries. It does the work perfectly and will be on exhibition at the Nurserymen's Convention at Milwaukee.

Address, W. F. HEIKES, Manager,
HUNTSVILLE, ALA.

ROSES - SHRUBS - CANNAS - PHLOX JAPANESE IRIS - HERBACEOUS PAEONIES

All Field Grown - Big Money VALUES

Tea's, Hybrid Teas, Hybrid Perpetual, Mosses, Rugosas. Climbers, Ramblers, — THIRTY types in all. Enormous quantities—Assortment the greatest.

Send us your list—Now !

Get our quotations—Now !!

Ask for our catalog—NOW !!!

The United States Nursery Co.

RICH - Coahoma County - MISS.

Charles Detriche, Senior

ANGERS, FRANCE

Grower and Exporter of Fruit-Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines, and Conifers for Nursery Planting.

ANNOUNCES

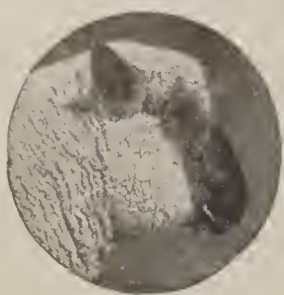
That his new price list has just been printed and that copies may be had by addressing his Sole Representatives for the United States and Canada.

JACKSON & PERKINS CO.

NEWARK, N. Y.

When writing to Advertisers mention The National Nurseryman.

Natural Guano



PULVERIZED Sheep Manure, pure and unadulterated. Unexcelled for all kinds of Nursery Stock, giving healthy and luxuriant growth to the plant. Can be applied either with drill or fertilizer attachment.

Price and freight rates on application.

Natural Guano Company

AURORA, ILLINOIS

Alma Nurseries, Oudenbosch, Holland

Proprietors { U. J. Heerma Van Voss, Czn. | Successors to H. W. Van der Bom & Co. No connection with
H. A. M. Swellengrebel. | any other firm of similar name.

Large stock of Ornamental Trees and Shrubs,
Conifers, Evergreens, etc.

First-class Stock Only. Prices Reasonable.

Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR., Mt. Vernon, N. Y.

Ask for our General Catalogue and special offer.

SIMPSON

is the name of the men who
grow the finest

CHERRY

that can be produced by suitable soil,
climate and expert knowledge.

Take a look at the stock or ask for a
sample and be convinced of the *extra*
quality of their

TREES

H. M. Simpson & Sons,

Vincennes, Indiana

NEW ROSE

NEWPORT FAIRY

Field grown stock, 3---4 shoots
3---4 feet long

JULIUS ROCHRS CO.

Rutherford, N. J.

Specialties

PEARS, Kieffer—PEACHES, all grades, in large
assortment—CHERRY—PLUMS, European
and Japan.

EVERGREENS

Arbor Vitae, 2 to 10 ft. Irish Juniper
Norway Spruce Pyramidalis
All in large sizes.

BLACK LOCUST
SEEDLINGS

GOLDEN WILLOW
in small sizes

Silver Maple, American Elm, Catalpa,
Bungei, Cut Leaf Weeping Birch

Write for Special Prices

**The Farmers Nursery
Company**

TROY, OHIO

Nursery Stock grown at Dansville, N.Y. and Troy, O.

The Winfield Nursery Co.

Of Winfield, Kansas

OFFER YOU FOR FALL 1908

Mahaleb Home Grown

A full line of Forest Seedlings and Shades, including Honey Locust, Black Locust, Soft Maple, Elm, Box Elder, Ash, Speciosa, Catalpa, etc.

2 year Assorted Cherry, best on the market.

Keiffer, Clapp's Favorite and Garden Standard Pear, 1 and 2 year.

500 Choice Bungei Catalpa budded 7 to 9 ft., 1 yr. heads, $1\frac{1}{4}$ to $1\frac{3}{4}$ inch stems.

Apple and Pear Seedlings

The Winfield Nursery Co.

WINFIELD, KANSAS

B. E. Fields & Son

Fremont Nurseries
FREMONT, NEBR.

Offer For
Late Fall Shipment 1908
Spring 1909

A LARGE assortment of APPLE, PEAR, NATIVE PLUM, PEACH, CHERRY, 1 and 2 year (sour sorts), APRICOTS, also a nice block of NATURAL PLUM. 500,000 GRAPES, CONCORD and CHOICE varieties, in 2 year No. 1 and 1 year No. 1.

ELM and MAPLE

Large Assortment of Field Grown Roses, Shrubs, Climbing Vines, Carolina Poplar, 1 and 2 years. Branched and Whips.

CATALPA and ELM SEEDLINGS

Ash, Maple, Box Elder, Wild Black Cherry, Walnut, Willow and Cotton-wood Seedlings.

WRITE FOR PRICES

BALTIMORE NURSERIES Franklin Davis Nursery Company BALTIMORE, MD.

We offer for Fall, 1908, a general line of Well-Grown Stock, such as

Apple, Peach, Pear, Plum, Cherry, Apricots, &c.

Also a good assortment of Ornamental Trees, Shrubs, Roses, &c.

A fine lot of 1, 2 and 3 year old Privet, cut back this spring, heavily branched.

Several hundred bushels of Selected Peach Seed. We pack dealers' orders. Send us your list of wants, also your surplus list.

LEVAVASSEUR & SONS

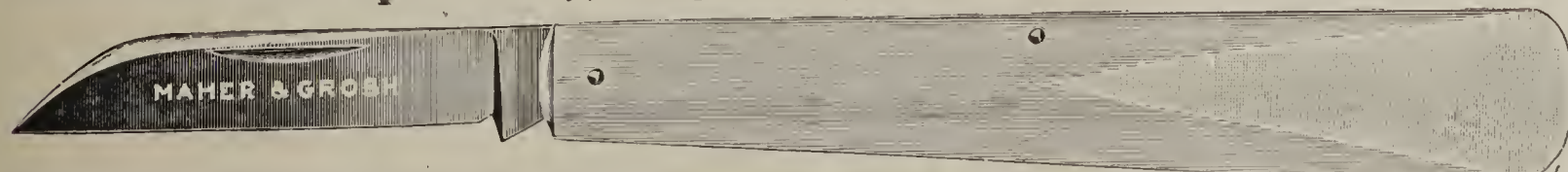
Nurseries at Ussy and Orleans, France

Wholesale Growers of Fruit Tree Stocks, Ornamentals, Evergreen Seedlings, Etc. Best Grading, Quality and Packing. Largest shippers to this country. All leading nurserymen are our regular customers. Prices right. Send your list of wants for prices before buying elsewhere to us or to our

American Agents, AUGUST ROLKER & SONS, New York, 31 Barclay Street, or P. O. Box 752.



BUDDING KNIFE No. 94. Sample by mail, 25c; 6 for \$1.25.



PROPAGATING KNIFE No. 89, 50c. Blade Closes; White Handle. Same Handle, but with Budding Blade, same price

NURSEYRYMEN'S KNIVES

Hand Forged Razor Steel Warranted

Nursery Pruner, 50c
Pocket Pruner, 60c
Pocket Budder, 35c
Pocket Grafter, 40c

We Solicit Direct
Trade

Send for 12-Page Special
Nursery Catalogue.

MAHER & GROSH CO.,

90 A Street, Toledo, Ohio

When writing to Advertisers mention The National Nurseryman.

THE NEW
HYDRANGEA

ARBORESCENS STERILIS, (Hills of Snow)
Grown especially for the Nurserymen's Retail Trade.
Colored plates FREE. Attractive circulars at cost
J. W. McNARY,
316 W. Fourth Ave., Dayton, Ohio.

North Carolina

Natural

PEACH SEED

Write for sample
and special prices.



Clark Nursery Co.
Rochester, N. Y.

"You Get What You Order."

PEACH SEED

We now have in stock VIRGINIA NATURAL PEACH SEED,
crop 1908, can fill any size order.

VIRGINIA NATURAL PEACH SEED CO.,
4th Ave. & Clinton St., BALTIMORE, MD

ESTABLISHED 1859

PEACH SEED

We are now prepared to furnish the Virginia Natural Peach Seed
Crop 1908—These seeds have for 1/2 a century proven to be the best
seed, as we can show from our testimonials from the leading
Nurseries of the country.—Get your seed early—as early planting
produces the best results.—Later on we will be able to supply Tenn.,
N. C., and other Southern seed, if to be had. Send for catalog and
testimonials.

W. W. WITTMAN & CO.,

117 Hanover St., Baltimore, Md.

P. O. Box "451"—C. & P. Phone—St. Paul "4382."

L. F. DINTELMANN, Belleville, Ill.

Apple, Pear, Peach, Cherry and Plum Trees, Evergreens,
Ornamental Shrubs, Roses, Gladiolæ, Cannas and Dahlias
Nurserymen Should Try My Simplex Tree Baler

IT DOES THE WORK. PRICE \$16.00.

For Sale—BRAGG TREE DIGGER. Used but a few days

PEACH SEED

I still have a few hundred bushels of 1907 crop peach
pits. Special prices to close them out. Write

C. G. NIEMAN, Port Clinton, Ohio

Budded Pecan Trees

Japan Persimmon, Japan Walnut,
and Muscadine Grape Vines . . .

Are Leaders to the Trade this Year.

We also offer a general line of Nursery Stock, including Fruit
and Ornamental Trees, Shrubbery, Field-Grown Roses, Etc., Etc.
Prices always right.

THE GRIFFING BROS. CO.,
JACKSONVILLE, FLA.

When writing to Advertisers mention The National Nurseryman.



400 best sorts

R O S E S

for lining out.

SEND your want LIST
for our

THE **LEEDLE** FLORAL COMPANY®
SPRINGFIELD-OHIO.

R. C. PETERS & SONS

IRONSHIRE, MARYLAND

(Successors to)

Wm. M. Peters' Sons, Snow Hill, Md.

Bell Telephone connections in office.

Telegraph Office, Berlin, Md.

Offer for Fall 1908 and Spring 1909

Peach Trees of all the leading varieties,
California Privet and Grape Vines

Send in your list of wants for Special Prices.

Grand stock of specimens

GROENEWEGEN & SON

ROYAL NURSERIES

DE BILT near Utrecht HOLLAND

London Planes,
Acer Schwedleri,
Lime Dasystylla,
Horse Chestnuts—red
and white flowered,
Thorns—Paul's Scarlet,
Large leaved Elms, Etc.

Catalogue 1908-9 now ready,
will be sent on
application.

For Fall 1908 and Spring 1909

We wish to Call Attention to Our Offerings of

PEACH—One Year and June Buds. We invite inquiries NOW from
buyers of June Budded peach, plum and apricot. We will bud especially
to suit YOUR particular wants.

PLUM—De Soto, Wyant and Japanese varieties.

PEAR, CHERRY AND QUINCE—As usual.

MULBERRY—A splendid assortment, in quantity.

PRIVET—California and (true) Amoor River.

ROSES—Leading Hybrid Perpetuals, also Hardy Climbers.

MAGNOLIA Grandiflora, SPIREA Van Houttei and ALTHEAS.

Fraser Nursery Company

Incorporated

HUNTSVILLE, ALABAMA

Hedge Plants, California and Amoor River Privet

We offer the trade nearly a million plants in the above for Fall and Spring de-
livery. Write for wholesale price list. We have fine well branched stock, grown
especially for the Nurserymen's Retail trade, and offer prompt and satisfactory ser-
vices. We have also 50,000 Soft Maple Seedlings, some Carolina Popular and
American Sycamore in surplus, with other ornamental stock. Trade list ready
August the first.

VALDESIAN NURSERIES,

Bostic Department, Bostic, North Carolina.

When writing to Advertisers mention The National Nurseryman.

Forest Tree Seedlings

We offer a large stock of forest tree seedlings. Especially strong in Black Locust, Honey Locust, Soft Maple, Cottonwood, White Elm, Osage Orange and Russian Mulberry. Also Asparagus and Rhubarb plants 2 years. We collect and import Tree Seeds. Can make special prices on Black Locust, Honey Locust, Ash, Box Elder and Evergreen seeds. Write for prices. : : :

German Nurseries and Seed House

(Carl Sonderegger, Prop.)

BEATRICE, NEBR.

STRAWBERRY !

RASPBERRY !

BLACKBERRY !

Strawberry Plants.—We are growing 80 acres of 100 varieties, all the best old and new sorts. We are growing them on new land and can guarantee the best plants possible for the money.

Raspberry Plants.—We have 40 acres of new fields of Raspberry plants, and expect a large supply of first-class plants of all the leading varieties.

Blackberry Plants.—We are growing 500,000 root cutting Blackberry plants, and will grow 1,000,000 first-class sucker plants of all the leading varieties.

We also have 1,000,000 Asparagus plants, 100,000 Rhubarb, and all other small fruit plants. Address

F. W. DIXON

HOLTON

KANSAS

For Norway Poplar or Sudden Saw Log

Write for Prices to

Harrison Nursery Company

York, Neb.

WANTED

A young man with good knowledge of perennial plants, and ability to care for greenhouses and propagating frames on a large ornamental nursery in Pennsylvania. Must have good habits, and be a hustler who is not afraid to work himself. Apply at once stating age, experience, whether married or single and wages expected. X M CO., Care of National Nurseryman

DREER SPECIALS

For FALL 1908

PAEONIES

PHLOXES

JAPANESE IRIS

GERMAN IRIS

TRITOMAS

And a most complete line of Hardy Perennials, Decorative Foliage and Greenhouse Plants

Write for special prices on your requirements

HENRY A. DREER

PHILADELPHIA, PA.

Forest Seedlings

To close out quick, I offer the following first-class stock, Wholesale Trade

- | | |
|---|--|
| 50 M. American Persimmon. 1 to 2 ft. | 50 M. Elm (white.) 1 to 2 ft. |
| 100 M. Amorpha fruticosa. 1 to 3 ft. | 75 M. Hamamelis, Witch Hazel. 1 to 3 ft. |
| 300 M. Althea Rosea Grafting Stocks. | 50 M. Tulip Poplar. 1 to 10 ft. |
| 500 M. Cal. Privet Cuttings. | 20 M. Sweet Gum. 1 to 6 ft. |
| 500 M. Black Locust. 1 to 5 ft. | 50 M. Black Walnut. 1 to 3 ft. |
| 50 M. Calycanthus, Sweet Shrub. 1 to 3 ft. | 20 M. Wistaria. 1 to 3 ft. |
| 150 M. Cercis canadensis, Red Bud. 1 to 4 ft. | 20 M. Yucca filamentosa, 2 year. Butternuts, Japan Walnuts, Ash, Maples, etc. Send for trade list. |
| 60 M. Cornus stolonifera, Ozier Dogwood. 1 to 5 ft. | |
| 50 M. Diospyros, Am. Persimmon. 6 to 30 in. | |

I offer my entire stock at low prices to close out.

FOREST NURSERY CO.

McMinnville, Tenn.

WE make a specialty of collecting accounts for the Trade.

For particulars and references, address the

National Florists' Board of Trade,

56 Pine Street, New York City

Surplus Stock, Spring 1908.

- 10,000 Peach, 1 year, 2 to 3 feet,
- 10,000 Peach, 1 year, 1 to 2 feet,
- 10,000 Peach, 1 year, 3 to 4 and 4 to 5 feet.
- 50,000 Peach, June Buds, 18 to 24 inches.
- 1,000,000 Strawberry Plants.

A general line of other stock in small quantities.

D. S. MYER & SON,

Bridgeville, Del.

ESTABLISHED 1868

F. W. MENERAY

Crescent Nursery Co.

Council Bluffs, Ia.

We offer our large stock of PAEONIES at a special low price for Fall, 1908. Also a large stock of Cherries, Plums, Pears, Gooseberries, Deciduous Trees and Ornamental Shrubs.

When writing to Advertisers mention The National Nurseryman.



Everything in
Small Fruit Plants.

Ask for price list.

W. N. SCARFF, New Carlisle, O.

CHARLES M. PETERS,

Formerly of W. M. PETERS SONS,

Offers One Million Grape Vines

One and Two Year Old for
Spring of 1908 Delivery

Varieties in greatest quantity, Moore's Early, Concord and Niagara. Other varieties in limited quantity.

My soil I find especially adapted to making plenty of fibrous roots and plenty of vine. A trial order will convince you that my grading, quality and price will be satisfactory. It is now my intention to make the growing of Grape Vines a specialty. Correspondence solicited.

P. O. Address, SALISBURY, MD.

Long Distance 'Phone and Telegraph, Snow Hill, Md.

We are Prepared to Handle Your Orders

for anything you may need in the line of Coniferous, Evergreen and Deciduous Tree and Shrub Seeds. No seeds leave our warehouse unless they test up to the same high degree of germination which we demand for our own plantings. Write for seed price list.

SPECIAL—We have 1000 bu. of Red and Burr Oak Acorns on which we can make special low price.

SEED DEPT.

DUNDEE NURSERIES

D. HILL, Prop.

DUNDEE, ILLINOIS

F. E. SCHIFFERLI

FREDONIA, N. Y.

Successor to WHEELLOCK & CLARK

AT IT SEVENTEEN YEARS

For FALL 1908 and SPRING 1909
GRAPE VINES AND CURRANT PLANTS
GRAPE AND CURRANT CUTTINGS
CORRESPONDENCE SOLICITED

SURPLUS CATALPA

5,000 Catalpa Speciosa, 6 to feet 10

5,000 Silver Maple, 6 to 8 feet

30,000 Pear, 1 yr., 3 to 4 feet

Special prices on Carload Lots.

Would exchange for some other stock

G. S. PICKETT & SON, Clyde, Ohio

Fritsch & Becker, Wholesale Seedsmen

GROSSTABARZ, GERMANY,

Beg to Offer

Forest Tree Seeds and Fruit Tree Seeds

of unsurpassed quality at low prices. Specialties: Fresh seeds of Black and Honey Locust, Mulberry, Dog Rose, Apple, Pear, Wild Cherry, Mahaleb Cherry, Plum, Quince and others. Write for price list, it will be worth while.

Offers of American Evergreen Tree Seeds requested

Grape Vines

All old and new varieties. Large stock. Warranted true. Our vines have made a splendid growth this season. Can furnish a special heavy two-year grade with large roots and good tops for Nurserymen's and Dealer's retail trade.

Write for catalogue and price list.

T. S. HUBBARD CO., Fredonia, N. Y.

PIERRE SEBIRE & SON

NURSERIES AT USSY, CALVADOS, FRANCE

A general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobolan Plum, Mahaleb and Mazzard Cherry, Angers Quince, etc. Forest Trees, Ornamentals, Evergreen Seedlings, Roses, etc. The largest stock in the country. Prices very low. The very best grading and packing. Send for quotations before placing your orders elsewhere. Catalogue free.

Sole Agents for United States and Canada. C. C. ABEL & CO., 110-116 Broad Street, NEW YORK.

J. F. ROSENFELD, West Point, Nebr.

wholesale grower of

PEONIES

Trade list for fall 1908 is now ready.

FALL OF 1908

New Trade Sheet and Scion List Just Out. WRITE FOR THEM

We have a Large Stock and can Ship Promptly.

NURSERIES AT CARROLLTON AND JERSEYVILLE, ILL.

JOHN A. CANNEDY NURSERY AND ORCHARD CO.,

CARROLLTON, ILL

W. Fromow & Sons

Windlesham Nurseries, Surrey, England

NOW IS THE TIME to place your orders for fall or spring deliveries of our well grown stocks of Roses, Rhododendron, Golden Privet, Retinosporas, Box, Holley, etc. Our latest SPECIAL OFFER was mailed in September; for further particulars address our SOLE AMERICAN AGENTS

AUGUST RÖLKER & SONS, P. O. Box 752, or 31 Barclay Street, NEW YORK.

When writing to Advertisers mention The National Nurseryman.

WANTED

A competent Nurseryman who understands the growing and handling of nursery stock. A good opening for the right man. Married man preferred. For further particulars address "Z," THE NATIONAL NURSERYMAN.

Nurseries in the Genesee Valley.

"LEST YOU FORGET"

We grow a full line of SWEET OR POT HERBS in connection with our HARDY PERENNIAL BUSINESS, an awfully good seller, as EVERYBODY WANTS THEM for FEW HAVE THEM.

Try a line of them in your New Spring Catalogue. We carry quite a stock to draw from, but, it is just as well to engage ahead. Our price for well established plants from 2 1/2 inch pots, Spring delivery is \$3.50 per 100, \$30.00 per 1000 for the following varieties. BALM, BASIL, BORAGE, CHIVES, DILL, FENNEL, HOPS, HORSE RADISH, LAVENDER, MARJORAM, PENNYROYAL, PEPPERMINT, ROSEMARY, SPEARMINT, SAGE, SAVORY, SUMMER, SAVORY WINTER, TARRAGON, THYME.

PALISADES NURSERIES,
SPARKILL, N. Y.

Wholesale Growers of Hardy Perennial Plants.

P. OUWERKERK,

No. 216 Jane St., Weehawken Heights, Hoboken, N. J.

Rhododendrons, Clematis, H. P. Roses, Hardy Azaleas, Paeonies, Magnolias, Box Trees, Fancy Conifers, Hydrangeas and Shrubs, our specialties at our HOLLAND NURSERIES. Some of the goods on hand here during the packing season.

We Make Strawberry Plants a Specialty

We are now ready to mail you our Fall and Spring Catalog. We sell choice plants at reasonable prices.

LOUIS HUBACH, R.R. 2, Judsonia, Ark.

Several thousand fine grade of

Berberis Thunbergii Seedlings

Also Red Oak and Sour Cherry.

Prices on application.

Oak Hill Nurseries, Roslindale, Mass.

The New HYDRANGEA

Arborescens grandiflora (sterilis)
"Hills of Snow"

Grown especially for the Nurserymen's Retail Trade. Colored Plates free. Attractive circulars at cost.

J. W. McNARY,
Dayton and Xenia Nurseries, Dayton, Ohio

Carolina Poplars by the Carload

Peach Trees—fine ones. Peach Seed—the best.

If you want any of the above, apply at once. We are going to sell at some price.

GILIS CO. NURSERY COMPANY,
Pulaski, Tenn.

FOR SALE!

Boiler,

80-horse power, low pressure. Price very reasonable.

PAUL F. BEICH COMPANY,
Bloomington, Ill.

When writing to Advertisers mention The National Nurseryman.

STARK BRO'S NURSERIES & ORCHARDS COMPANY

CAPITAL STOCK \$1,000,000

PIONEER NURSERIES OF THE WEST

Established 1825

Fourth Generation of Stark Nurserymen

STARK DIGGERS are now furnished with a very heavy double edged blade of highest quality erueible steel; prevents all twists and spring. A boy can pull trees loosened by the adjustable lifter.



Thrown in or out of the ground quickly, without heavy lifting. Easily turned. Moved from one location to another on its own wheels. Used by many of the leading nurserymen; has always given satisfaction.

Write for Descriptive Circular and Prices

General Office, Nurseries, Packing Houses
LOUISIANA, MO.

BRANCHES { Starkdale, Mo. Rockport, Ill. Atlantic, Ia.
Fayetteville, Ark. Portland and Dansville, N. Y.

Storage Capacity 1,000 Car Loads

A GENERAL LINE OF NURSERY STOCK

Ornamental Trees, Shrubs, Roses and Perennials

H. J. WEBER & SONS NURSERY CO.
(Incorporated)

Nursery, Missouri

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
Bedford, Mass.

Hardy Blizzard Belt Nursery Stock Evergreen Seedlings, etc.

Grown by

The Gardner Nursery Co.
Osage, Iowa

Established 1878

Propagators and Growers of Complete Line of

Nursery Stock for Northwestern Planters

"Everything for the Fruit Garden"

VINE GROVE NURSERY CO., Minneapolis, Minn.

KANSAS CITY NURSERIES

GEO. H. JOHNSTON, Prop.

SUCCESSOR TO BLAIR & KAUFMAN

233-234 Rialto Building, - - Kansas City, Mo.

Offer for Fall 1908 and Spring 1909 large stock of Carolina Poplars all sizes; Concord Grapes; Currants; Asparagus and a full line of Ornamental Shrubs, Peonies, &c.

When writing to Advertisers mention The National Nurseryman.

J. H. SKINNER & CO.

Successors to
Peters & Skinner
Sta. "A," Topeka, Kansas



FOR FALL of 1908 we offer a general line of nursery stock. We expect to have our usual supply of Forest Tree Seedling, Apple and Pear Seedling.

E. T. DICKINSON, Chatenay Seine, France.

Grower and Exporter of

French Nursery Stocks, Dutch Bulbs,
Gladioli, Etc. Fruit Tree Stocks.

All grown specially for the American trade.

PEAR AND CRAB APPLE SEED,

The most complete assortment of Ornamental Stocks,
Trees and Shrubs.

Geo. E. Dickinson, 1 Broadway, N. Y.

YOUNGERS & CO.

GENEVA, N. E. B.

OFFER FOR FALL TRADE

Apple, Plum, Peach and Cherry Trees
SEEDLINGS

Apple, Black Locust, Catalpa Speciosa,
Maple, Elm and Osage

ALSO A FULL LINE OF

ORNAMENTAL & SHADE TREES

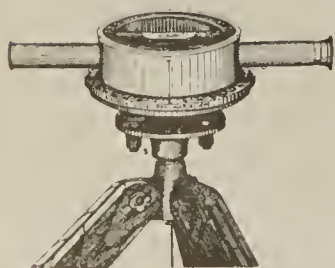
WRITE FOR PRICES

Everybody Knows

Park, Cemetery and Landscape Gardening can not be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels,

No. 2 at \$15.00 and No. 3 at \$25.00,



are conceded by all who know to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO.

133 MADISON AVENUE, ATLANTA, GA.

When writing to Advertisers mention The National Nurseryman.

The L. Green & Son Co.

PERRY, LAKE CO., OHIO

Offers for Fall '08, one of the Most Complete Assortments
in the Country.

HEAVY on Std. and Dwf. Pear, European, Japan,
and Native Plum, Peach, Ornamental Trees and a
fine lot of Poplars, including 1 yr. whips, 3 to 7 ft.
Lots of shrubs, vines, roses, evergreens, herbaceous
and perennial plants. Also a nice lot of 2 yr.
grapes that promise to be good stuff.

Correspondence solicited and inspection invited.

Established 1780.

Andre LeRoy Nurseries

BRAULT & SON, Directors

ANGERS, FRANCE,

are now booking orders for

SEASON, 1908

FOR NURSERY STOCKS OF THEIR OWN
GROWING, GRADING AND PACKING.

For Quotations apply to

ANDRE L. CAUSSE, Sole Agent,

105-107 Hudson Street :: :: New York City.

W. T. HOOD & CO.,

Old Dominion Nurseries

RICHMOND, VA.

Specialties for Fall 1908 and Spring 1909

Japan Pear Seedlings; California Privet---Fine Plants.

Special Inducements in Carload Lots

Cherry, 1 yr., none better; Std. Pears, 2 yr., most all
varieties; Dwarf Pears, 2 and 3 yr., Angouleme; Quince, 2
yr., Champion, Orange, Meeches & Reas, exceptionally
fine lot; Japan Walnuts, 2 to 3 to 5 to 7 ft., extra good; and

GENERAL LINE OF NURSERY STOCK

Correspondence Invited.

When writing to Advertisers mention The National Nurseryman.

Your Strawberry Plant Orders

FOR SEVERAL years I have been filling strawberry plant orders for a great many leading nurserymen. Most of these send me their shipping instructions and tags and I ship direct to their customers. As this seems to be the best way for nurserymen to have their strawberry plant orders handled I am preparing to greatly improve my facilities for this work and to make it one of the main features of my business. The additional charge made for handling orders in this manner is very small, just enough to pay the additional expense of billing out small orders. I also ship plants direct to nurserymen who wish to bill out their own orders.

The extensive improvements I expect to make this summer will enable me to give all nurserymen prompt, accurate and careful service.

If you buy strawberry plants get in communication with me before contracting for your next season's supply.

W. W. THOMAS

THE STRAWBERRY PLANT MAN

ANNA, ILLINOIS

200 ACRES IN PLANTS]

ASPARAGUS AND RHUBARB ROOTS

NAMES OF NURSERYMEN WILL BE PROTECTED

Bryant's Nurseries

PEONIES

50,000 to offer for fall of 1908.

Fall planting of Peonies give best results. Special surplus list now ready. Let us figure on your wants. We can please you as to quality, as all roots sent out are extra heavy.

Ornamental Shrubs

all sizes by the thousand in Altheas, Barberry Thunbergii, Dogwood, Spirea Van Houttii, Persian and Purple Lilac, Snowballs, etc.

Write for special prices.

ARTHUR BRYANT & SON

PRINCETON, ILLS.

Easterly Nursery Co.,

CLEVELAND, TENN.

Offers for Spring Shipment:

One, Two and Three-year Apple, Two-year Kieffer Pear, Two-year Sour Cherry, One-year Peach in car-load lots. A good assortment of Japan Plums, one-year and Mariana Stocks. Ask for prices.

BOX STRAPS

WARD-DICKEY STEEL COMPANY

INDIANA HARBOR, IND. Mfrs. of Planished Sheet Steel

Colombe-Lenault-Huet,

NURSERYMEN.

Ussy, Calvados, France.

A general assortment of Fruit Trees Stocks, Forest Trees, Resinous Plants, Ornamental Shrubs and Evergreens, Roses and Conifers.

CATALOGUE FREE, VERY GOOD PACKING.
WRITE DIRECT, I HAVE NO AGENTS.

4,000,000 PEACH TREES

J. C. HALE, Prop.

TENNESSEE WHOLESALE NURSERIES,

WINCHESTER, TENN.

Large stock of Apple 1 yr. Pear and Cherry.

Write for prices.

JAMES' SONS, Nurserymen

Ussy, Calvados, France.

A General Assortment of Fruit Trees and General Nursery Stock, Roses, etc., etc.

Prices Very Low. Packing Secured. Catalogue Free.
Write direct to us, we have no agents.

Vincennes Nurseries

W. C. REED, Prop., - VINCENNES, IND.

The Home of ALICE and the CHERRY TREES

We have the Soil, the Climate and the Experience and can furnish a tree that can not be surpassed for Vitality or Size. Foliage all on our Trees August 1st as fresh and green as May insuring well ripened wood, the kind that will live when Transplanted. Splendid Tops and Fine Roots.

Cherry Being Our Specialty Can Furnish in 100,000 Lots or Less, All Leading Varieties.

Two Year Cherry, 1 in. up XX Fancy One Year Cherry, 3-4 in. up
" " 3-4 to 1 in " " 5-8, to 3-4, and
" " 5-8 to 3-4 & 1-2 to 5-8. 1-2 to 5-8.

CHERRY BUDS furnished on short notice, any quantity. General line of other Fruit Stock Ornamentals, Roses, Shade Trees, Weeping Trees, etc. Submit List of Wants for prices. Personal inspection invited.

Grape Roots That Grow

Increase in Acreage and Varieties

We make a specialty of growing Grape Roots. Making strong grades and prompt shipments. We have heavy stock for Nurserymen's retail trade. Light stock and cuttings for nursery row. Write for special prices. Correspondence and inspection of stock invited.

FOSTER & GRIFFITH,

Fredonia, N. Y.

When writing to Advertisers mention The National Nurseryman.

When writing to Advertisers mention The National Nurseryman.

FRENCH CRAB SEED
FRENCH PEAR SEED
RED STAR BRAND RAFFIA

THOMAS MEEHAN & SONS,
DRESHER, PA.
BOX T

NORTH CAROLINA
NATURAL

Peach Pits

Gathered in the mountains of North Carolina where the
Yellows are unknown. Write for prices.

JOHN A. YOUNG Greensboro, N. C.

For Nurserymen's Specialties

Spear Grafting Machine, Tree Diggers, Spades, Cultivators,
Fruit Grower's Specialties, etc.

E. G. MENDENHALL,
Box 316, Kinmundy, Ill.

High Grade Cherry Trees

NEW HAVEN NURSERIES
NEW HAVEN, MISSOURI.

Advertising in the National Nurseryman
is a paying proposition.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

Forest Plants

Hedge Plants Fruit Stocks Day Briars

PRICE LIST FREE ON APPLICATION

JULIUS HANSEN PINNEBERG, (Holst) Germany

Nursery Stock for Southern Needs

Grown under ideal conditions by expert nurserymen at Glen Saint Mary Nurseries. Over 800 acres devoted to the production of

Trees and Plants True to Name.

Extensive experiment grounds enable us to maintain the highest standard of quality established during 26 years of business life.

We offer a full line of Fig, Peach, Pecan and Citrus fruit trees and a specially select stock of

Southern Grown Shade Trees.

Magnolia, Camphor, Tulip and Umbrella trees in large quantities. Our stock of Amoor River Privet is large and of unsurpassed quality.

Nurserymen who are in need of any of our specialties or standard stock are invited to send us a list of their requirements.

Our prices are consistent with quality of stock.

GLEN SAINT MARY NURSERIES COMPANY
GLEN SAINT MARY, FLORIDA
G. L. Taber, President & Treasurer H. Harold Hume, Secretary



A SILVER COIN

Is of little value unless backed by the Government. Our SILVER COIN STRAWBERRY is backed by a reputation that few attain in strawberry growing.

Write us for particulars. J. T. LOVETT, Little Silver, N. J.

LEWIS ROESCH & SON
FREDONIA, N. Y.

Grape Vine Specialists and General Nurserymen

Send us your List of Wants and quote your surplus

WANTED.

A YOUNG MAN STENOGRAPHER who can assist with correspondence and prepare himself for advancement. Experience in Agency Nursery office essential. State age, experience, present employment, and salary.

Address "OPPORTUNITY," care this paper.

LIBRARY
RECEIVED
JAN 1 1908



THE NATIONAL NURSERYMAN



JANUARY, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedsmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. ILGENFRITZ' SONS CO.
MONROE, MICH.

EVERGREENS OUR LEADING SPECIALTY.

RHODODENDRONS, HEMLOCKS, WHITE PINES,
BOX BUSH. A general collection of
specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTAI
by the thousand.

ANDORRA NURSERIES,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,
SALEM, OREGON.

MINNESOTA NURSERY STOCK

COMPLETE ASSORTMENT OF FRUIT AND ORNAMENTAL STOCK IN ALL VARIETIES SUITED TO NORTHERN CULTURE. A SPECIALTY OF HARDY SHADE TREES, WIND BREAK STOCK, EVERGREENS (CONIFEROUS), DECIDUOUS SHRUBS, APPLES AND NATIVE PLUMS.

350,000 SOFT MAPLE, 2-3 FT. AND 3-5 FT.

1200 ACRES OF THE BEST
MISSISSIPPI VALLEY SOIL.

THE JEWELL NURSERY CO.

Established 1868.

LAKE CITY, MINNESOTA.

Apple

Seedlings, Japan Pear Seedlings, Kieffer Pear Seedlings, French Pear Seed- lings, Mahaleb Seedlings, Myrobolan Plum Seedlings.

We Take Pride in Making Good Grades

GRAFTS MADE TO ORDER

Apple, Whole or Piece Root.

Pear, Whole or Piece Root.

Our grafts are made by experienced workmen, and carefully wrapped. Can wrap with thread, waxed paper or raffia. Send us your list of wants and let us make you prices.

We also offer Forest tree Seedlings, Apple, Cherry, Peach, Plum, Kieffer and Garber Pear, Shade trees, Flowering Shrubs, Roses, Vines, Grapes, Currants, Rhubarb, Asparagus.



J. H. SKINNER & CO. = CAPITAL NURSERIES

TOPEKA, KANSAS

THE DES MOINES NURSERY Co.

Offers to the trade the following surplus stock for early spring shipment.---Same is in cellar and can be shipped when desired.

APPLES

All Grades

Principally
Hardy Sorts,
Wealthy, N.W.
Greening,
Duchess, Wolf
River, Mann,
Whitney,
Walbridge,
Irwin Blush,
Talman Sweet,
ETC.



Cherries, 3-4,
5-8, and 1-2
inch,
E. Richmond,
Montmorency
English
Morello,
Compass, 1
yr. 4 to 5 ft.

Carolina Poplar, 6 to 8 ft., 10 to 12 ft., and 12 to 15 ft. European and Japan Plums, 3-4 No. 1,
1000 Marianna, 3-4 and up. SEND US YOUR WANT LIST.

DES MOINES NURSERY CO., - DES MOINES, IND.

WE STILL HAVE A GOOD SUPPLY OF

Apple Seedlings

ALL GRADES

ALSO HAVE

Japan Pear Seedlings

Kieffer Pear Seedlings

French Pear Seedlings

Samples and prices of Seedlings upon request.

We are prepared to put up

APPLE AND PEAR GRAFTS IN QUANTITY

(We wrap grafts with cloth when desired—it makes a better union
and gives a better stand.)

We have **Kieffer Pear Trees** —Extra fine 2 yr. old 5-7 ft. 3-4 in.
Very low prices to reduce surplus.

F. W. WATSON & CO.
Topeka, Kans.

Place Your Order To-day

TWO-YEAR APPLE.

	5-7 ft. ¾	4-6 ⅝	4-5 ½	3-4
Albemarle Pippin,	1100	1150	850	350
Ark. Black,	—	170	20	10
A. G. Russett,	—	—	550	40
Alexander,	—	—	130	60
Baldwin,	500	200	800	—
Ben Davis,	750	3320	440	—
Bismarck,	—	300	500	130
Carthouse,	80	200	—	40
Chenango Strawberry	—	110	30	10
Coffelet Beauty,	20	110	19	—
Cooper's Market,	—	260	110	30
Dominie,	—	930	660	330
Dutchess,	—	800	300	—
Ey. Strawberry,	620	—	20	180
Ey. Colton,	—	200	80	40
Ey. Ripe,	—	30	40	—
Fameuse,	—	380	300	340
Fall Pippin,	—	110	30	10
Fourth of July,	1530	1120	230	—
Fallawater,	—	50	200	200
Gano,	860	2850	—	—
Grimes Golden,	560	560	—	—
Gravenstein,	—	580	160	40
Golden beauty Crab,	1140	210	80	60
Hyslop Crab,	—	600	650	310
Hubbardston's N. S.,	—	480	940	470
Jonathan,	—	1300	500	—
Kennard's Choice,	30	230	—	80
King,	—	—	80	130
Lawver,	120	280	120	—
Limber Twig,	—	—	60	40
Lankford,	300	210	130	50
Mo. Pippin,	—	430	250	270
Martha,	—	—	120	30
Mann,	—	980	340	70
M. B. Twig,	2000	1200	400	80
N. W. Greening,	90	—	—	—
Newtown Pippin,	10	—	90	40
Nero,	—	1380	860	160
No. Spy,	—	50	210	80
Porter,	—	—	150	20
Pewaukee,	—	300	220	210
P. W. Sweet,	130	310	90	—
Roman Stem,	—	1050	1300	450
Rolfe,	15	350	100	—
Rawles Janet,	20	40	60	30
Ribston Pippin,	—	160	50	—
Rome Beauty,	220	70	80	40
Red June,	—	900	460	100
Red Astrachan,	—	1740	1440	960
R. I. Greening,	—	—	150	190
Scott's Winter,	—	210	310	150
Smith Cider,	—	300	200	180
Stayman's Winesap,	1000	40	—	120



TWO-YEAR APPLE.

	5-7 ft. ¾	4-6 ⅝	4-5 ½	3-4
Salome,	30	450	160	50
Sutton Beauty,	—	220	110	60
Stark,	58	—	350	320
Sweet Bough,	—	200	110	50
Tallman's Sweet,	—	200	280	160
Transcendent,	—	900	700	280
Wealthy,	40	600	300	200
Williams' Ey. Red,	—	3200	1100	100
Wagner,	80	50	20	—
Wolf River,	—	310	320	90
Winesap,	2000	1000	—	—
Yellow Transparent,	—	1370	360	—
Yellow Belle Flower,	—	—	310	320

ONE-YEAR APPLE WHIPS AND BRANCHED.

	5-6 ft.	4-5	3-4	2-3
McIntosh Red,	1000	1000	500	500
Nero,	2000	1000	1000	500
Transcendent (Crab),	4000	2000	1000	500
Golden Beauty (Crab),	2000	1000	1000	500
Gravenstein,	500	500	500	500
Baldwin,	5000	5000	3000	1000
M. B. Twig,	5000	3000	1000	500
Dutchess,	2000	2000	1000	500
Jonathan,	5000	2000	1000	500
Winesap,	5000	2000	1000	500
Red Astrachan,	3000	1000	1000	500
Stayman's Winesap,	8000	2000	1000	500
1000 California Privet, 4 to 5 ft.	—	—	@	6c
3000 California Privet, 3 to 4 ft.	—	—	@	4c
5000 California Privet, 2 to 3 ft.	—	—	@	2½c
8000 California Privet, 18 to 24 in.	—	—	@	2c
1000 Silv. Mpls., 1¼-1½, 10 to 12 ft.	—	—	@	17½c
5000 Silv. Mpls., 1 to 1¼, 8 to 10 ft.	—	—	@	15c
3000 Silv. Mpls., ¾ to 1, 8 to 10 ft.	—	—	@	10c
1000 Carolina Pop., 1½-2, 10 to 12 ft.	—	—	@	17½c
1000 Car. Pop., 1 to 1½, 8 to 10 ft.	—	—	@	15c
1000 Car. Pops., ¾ to 1, 8 to 10 ft.	—	—	@	10c
1000 Mulberry, 1½ to 2, 7 to 8 ft.	—	—	@	15c
1000 Mulberry, 1 to 1½, 6 to 8 ft.	—	—	@	12c
1000 Catalpa, 6 to 8 ft.	—	—	@	20c
1000 Catalpa, 5 to 6 ft.	—	—	@	15c
1000 Norway Spruce, 2 to 3 ft.	—	—	@	35c
1000 Norway Spruce, 18 to 24 in.	—	—	@	25c
1000 Norway Spruce, 12 to 18 in.	—	—	@	15c
1000 Siberian Arbor Vitae, 3 to 4 ft.	—	—	@	35c
1000 Siberian Arbor Vitae, 2 to 3 ft.	—	—	@	25c
1000 Siberian Arbor Vitae, 1 to 2 ft.	—	—	@	15c
1000 American Black Ash, 5 to 6 ft.	—	—	@	25c
1000 American Black Ash, 4 to 5 ft.	—	—	@	20c
1000 American Elm, 6 to 8 ft.	—	—	@	25c
1000 American Elm, 5 to 6 ft.	—	—	@	20c

PEACHES.

	6-7	5-6	4-5	3-4	2-3	J. Buds
Elberta,	1000	5000	9750	16420	2410	20000
Champion,	930	1400	680	500	—	—
Wonderful,	200	200	200	200	200	—
Yellow St. John,	880	1520	990	670	—	220
Fitzgerald,	100	150	130	230	200	190
Crawford Ey.,	—	330	630	770	490	425
Belle of Ga.,	2380	3150	6020	350	—	—
Crosby,	750	1050	450	350	130	50
Frances,	190	300	240	150	80	—
Moore's Fav.,	190	120	—	120	20	—
Fox Seedling,	90	160	270	310	210	25
Waddell,	20	150	300	—	—	—
Ad. Dewey,	250	—	—	—	—	—
Carman,	100	3620	3800	1810	160	75
Bilyeu,	730	2330	1320	880	240	—
Stump,	—	180	50	100	—	—
Mt. Rose,	—	500	160	1010	—	—
W. H. Cling,	—	470	220	610	300	50
O. Mixon Free,	—	365	550	2270	610	320
Geary's Holdon,	440	280	—	80	—	30
Picquet's Late,	160	—	—	—	—	—
Recves' Fav.,	—	300	190	310	—	—
Greensboro,	150	550	550	590	290	—

PEARS—STANDARD.

1 in.	¾	⅝	½	3-4	2-3
6-7	5-7	4-6	4-5	—	—
1000	1000	5000	3000	2000	1000
—	200	535	140	—	—
—	384	480	440	—	—
500	1000	500	—	—	—
—	—	500	500	500	500
—	—	2000	2000	1000	500

DWARF PEARS.

—	70	300	100
—	1000	1000	1000
—	100	100	—

PLUMS.

6-7	5-7	4-6	4-5	3-4	2-3
—	300	40	500	560	—
—	3000	5000	5000	5000	2000
—	3000	5000	5000	5000	2000
1000	3000	5000	5000	5000	2000
—	—	595	1150	1175	—

J. G. HARRISON & SONS,
Nurseries,
BERLIN, MD.



THE NATIONAL NURSERYMAN



FEBRUARY, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz's Sons Co.

MONROE, MICH.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE
PINES, BOX BUSH. A general collection
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTAI
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

MINNESOTA

NURSERY STOCK

COMPLETE ASSORTMENT OF FRUIT AND ORNAMENTAL
STOCK IN ALL VARIETIES SUITED TO NORTHERN CULTURE.
A SPECIALTY OF HARDY SHADE TREES, WIND
BREAK STOCK, EVERGREENS (CONIFEROUS), DECIDU-
OUS SHRUBS, APPLES AND NATIVE PLUMS.

350,000 SOFT MAPLE 2-3 FT. AND 3-5 FT.

1200 ACRES OF THE BEST
MISSISSIPPI VALLEY SOIL

The Jewell Nursery Co.

Established 1868

LAKE CITY, MINNESOTA.

Apple
Seedlings, Japan Pear Seedlings,
Kieffer Pear Seedlings, French Pear Seedlings,
Mahaleb Seedlings, Myrobolan
Plum Seedlings.

We Take Pride in Making Good Grades

GRAFTS MADE TO ORDER

Apple, Whole or Piece Root.

Pear, Whole or Piece Root.

Our grafts are made by experienced workmen, and carefully wrapped. Can wrap with thread, waxed paper or raffia. Send us your list of wants and let us make you prices.

We also offer Forest tree Seedlings, Apple, Cherry, Peach, Plum, Kieffer and Garber Pear, Shade trees, Flowering Shrubs, Roses, Vines, Grapes, Currants, Rhubarb, Asparagus.

J. H. Skinner & Co. - Capital Nurseries
TOPEKA, KANSAS

THE DES MOINES NURSERY CO.

Offers to the trade the following surplus stock for early spring shipment.---Same is in cellar and can be shipped when desired.

APPLES

All Grades

Principally
 Hardy Sorts
 Wealthy, N. W.
 Greening,
 Duchess, Wolf
 River, Mann,
 Whitney,
 Walbridge,
 Irwin Blush,
 Talman Sweet,
 ETC.



Cherries, 3-4,

5-8, and 1-2

inch,

E. Richmond,

Montmorency,

English

Morello,

Compass, 1

yr. 4 to 5 ft.

Carolina Poplar, 6 to 8 ft., 10 to 12 ft., and 12 to 15 ft. European and Japan
 Plums, 3-4 No. 1, 1000 Marianna, 3-4 and up. **SEND US YOUR WANT LIST.**
DES MOINES NURSERY CO., DES MOINES, IOWA.

WE STILL HAVE A GOOD SUPPLY OF

Apple Seedlings

ALL GRADES

ALSO HAVE

Japan Pear Seedlings

Kieffer Pear Seedlings

French Pear Seedlings

Samples and prices of Seedlings upon request.

We are prepared to put up

APPLE AND PEAR GRAFTS
IN QUANTITY

(We wrap grafts with cloth when desired—it makes a better union and gives a better stand.)

We have **Kieffer Pear Trees**—Extra fine 2 yr. old 5-7 ft. 3-4 in.

Very low prices to reduce surplus.

F. W. WATSON & CO.

Topeka, Kans.

SEND FOR IT TO NEW YORK

(NEW YORK IS THE PLACE FOR IT)

AND GET THE REAL STUFF.

Direct from the producers in concentrated form all ready to mix with water; no middlemen, no middle quality. Freight rates by water or rail lower from New York than from any other point AND QUICK DELIVERY.



50 Gallon Bbl. \$25.



25 Gal. Half Bbl. \$13.75.



15 Gal. Keg. \$10.



10 Gal. Keg. \$7.50.

LENOX BRAND SCALE DEATH

chewing insects also, no matter of what breed, codling moth, canker worm, the apple tree catapillars, or any of the masticating varieties.

Our Scale Death is a soluble oil. Mixes readily to color of milk (not gummy) need not stir it, it will not settle, it will hold in suspension, uniformity, last drop same as first. Rain will not wash it off easily. Foliage sprayed easily seen. Will not clog the nozzle. If used for scale only and without Paris Green, there is absolutely no risk of injury to hands, sores, clothing or live stock; no corroding to spraying apparatus; no scorching of foliage, not like that at the dealer or hardware store, left to be sold as "just as good." If you use the Lenox Scale Death, you will use the same material which we have used for years in our contract work for spraying large orchards on most important estates with great success.

"Sure Destruction." Use it for the most stubborn cases of San José Scale or any other scale. For spraying fruit orchards, or anything infested by anything at all, by the addition of four ounces of Paris Green to 50 gallons of the diluted, it will do up

IN SEVERE CASES, mix one part to fifteen or twenty of water. We have often applied with a brush as you would whitewash directly upon the limbs or trunk of the trees where the scale appeared in patches like scab and it proved wonderful. Death every time. We will warrant it without the slightest injury to the bark. The dead scale dries up and flakes off.

FOR GENERAL spraying upon the trees or shrubbery of any kind we would recommend one gallon to fifty of water, adding 4 ounces of Paris Green. This will effectually destroy all the chewing pests. For the hen-house, cow stable and for all sucking insects, breeding into crevices and holes, in very bad cases dilute 1 to 20 otherwise to 50 or 100 according to circumstances. To use as a Sheep Dip it is worth its weight in gold, 1 to 50 will effectually kill tick, lice and fleas, cure scab, mange and wounds. In the orchard now is the time to spray for **BEST WORK.** If the orchard is very bad, apply it very strong, say 1 to 15 or 20. One good application **JUST NOW** will save three in the summer time. The little extra work will repay you well and prove a good investment.

THE "LENOX BRAND" Products for 22 years before the Public have a **standing** like the "Pillsbury's Best" Flour or like **Park & Tilford's goods.** A trifle more expensive, but better than all others. The name of **"THE LENOX"** is a guarantee for the quality. Cost a little more than the cheap offerings in the market but **it is worth it.**

ASK NO QUESTIONS AND ORDER; WE WILL FILL YOUR ORDER AT THESE PRICES.

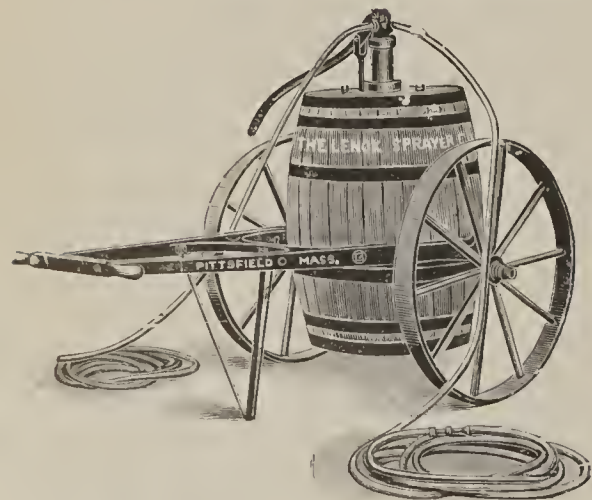
A Car of 20 Barrels 20% off from List Price.—We Deliver to Wharf or R. R. Station.

In barrels of 50 gals. each, \$25.00.	No charge for Bbls.	5 Gal. cans each, \$3.75.	No Charge for Cans, by Express.
Half barrels 25 gals. each, 13.75.	" " " "	3 Gal. cans each, 3.25.	" " " " " "
15 Gallon keg each 10.00.	" " " Kegs.	2 Gal. cans each, 2.50.	" " " " " "
10 Gallon keg each 7.50.	" " " "	1 Gal. can each, 1.25.	" " " " " "

Our Bordeaux, **LENOX BRAND: U. S. STANDARD CONCENTRATED** ready to be mixed 1 gallon to 50 or 100 of water, is better than the old fashioned HOME-MADE on the barn floor. Always reliable and a great saving of time and fussy work at home. We put it up in same size barrels, kegs and cans at same prices as the Scale Death.

All remittances must be made by express money order, postoffice money order, or draft on New York. No checks for collection taken at these prices. Plain directions accompany each shipment. Always give us your nearest express or freight station. 24 Hours Delivery. Now let us put a couple of these barrels down at the wharf or freight station for you. With New York facilities they will get to your station in quick time.

OUR MODEL FRIEND.



\$28.

ADVANTAGES:

The spraying barrel can be instantly detached by simply drawing the truck out from under the trunions on sides. The truck can then be used for conveying water to stock or barrels for other purposes, to or from the orchard or the potato field. Extra trunions for other barrels furnished at slight expense. The truck will be found of great service when the spraying outfit is not used. Price complete as shown, and mounted ready for the orchard.

N. N. Lenox Sprayer Co.,

165 W. 23rd St., New York.

When writing to Advertisers mention The National Nurseryman

WE STILL HAVE A GOOD SUPPLY OF

Apple Seedlings

ALL GRADES

ALSO HAVE

Japan Pear Seedlings

Kieffer Pear Seedlings

French Pear Seedlings

Samples and prices of Seedlings upon request.

We are prepared to put up

APPLE AND PEAR GRAFTS IN QUANTITY

(We wrap grafts with cloth when desired—it makes a better union and gives a better stand.)

We have **Kieffer Pear Trees**—Extra fine 2 yr. old 5-7 ft. 3-4 in.
Very low prices to reduce surplus.

F. W. WATSON & CO.

Topeka, Kans.

SURPLUS--RUSH ORDER AT ONCE.

APPLE TREES—TWO-YEAR STOCK.

	5-7 ft.	5-6 ft.	4-5 ft.
Albermarle Pippin	1100	—	150
Ark. Black	—	170	20
A. G. Russett	—	—	550
Alexander	—	—	70
Ben Davis	2250	3215	—
Bismarck	—	120	155
Carthouze	80	200	—
Chenango Strawberry	—	110	30
Cooper's Market	—	210	110
Dominic	1190	920	660
Dutchess	—	680	290
Early Strawberry	505	—	20
Early Colton	—	200	80
Early Ripe	320	5	—
Fameuse	—	280	279
Fall Pippin	—	110	20
Fourth of July	1480	810	221
Fallawater	—	37	200
Gano	2850	—	—
Grimes Golden	1360	250	—
Gravenstein	—	560	150
Golden Beauty	1040	210	80
Hyslop	—	600	650
Hubbardston's Nonesuch	—	470	919
Jonathan	—	1065	125
Kennard's Choice	30	240	—
King	—	—	—
Lawver	120	280	120
Lankford Seedling	350	180	130
Missouri Pippin	—	430	250
Mann	—	980	340
M. B. Twig	2000	1170	400
Nero	—	1220	784
Porter	—	—	150
Pewaukee	—	300	220
Paradise W. Sweet	130	290	90
Roman Stem	—	1050	1300
Rolfe	250	100	—
Ribston Pippin	260	160	60
Red June	706	900	460
Red Astrachan	—	1510	1240
R. I. Greening	—	—	160
Scott's Winter	—	—	268
Smith Cider	—	240	200
Salome	30	450	160
Sutton's Beauty	—	200	89
Stark	—	340	270
Sweet Bough	790	200	110
Tallman's Sweet	—	100	280
Transcendent	—	—	—
Wealthy	14	80	300
William's Ey. Red	—	3092	1090
Wagner	—	75	100
Wolf River	—	288	320
Winesap	1740	940	—
Yellow Transparent	—	1350	25
Yellow Belleflower	—	—	310

PLUM TREES.

	6-7 ft.	5-6 ft.	4-5 ft.
Abundance	100	341	435
Burbank	2923	4832	5000
Red June	3000	5000	4929
Wickson	3000	4785	4996
Shropshire Damson	—	580	1129
Wickson	1000—1 inch and up.	—	—

PEARS—STANDARD.

	6-7 ft.	5-6 ft.	4-5 ft.
Anjou	—	65	—
Bartlett	—	40	100
Belle Lucrative	9	40	10
Beurre Clairgeau	—	10	—
Clapp's Favorite	334	463	201
Dutchess	524	885	1087
Elizabeth	40	—	—
Flemish Beauty	—	90	—
Garber	875	1480	530
Koontz	—	194	—
Kieffer	2480	3000	3320
Kieffer Whips	—	—	60
Lawrence	—	184	—
Lawson	—	84	80
Seckle	188	435	88
Sheldon	—	168	30
Vermont Beauty	—	99	—

MILLIONS OF STRAWBERRY PLANTS.

Auto	20,000	Excelsior	15,000	Marie	5,000	Sample	35,000
Aroma	25,000	Gandy	65,000	McKinley	20,000	Superior	5,000
Bubach	25,000	Gladstone	10,000	Marshall	50,000	Senator Dunlap	35,000
Brandywine	30,000	Glen Mary	10,000	Mitchell's Early	20,000	Stephen's L. Cham.	85,000
Bismarck	25,000	Haverland	50,000	Nick Ohmer	30,000	Sutherland	20,000
Climax	10,000	Johnson's Early	35,000	New York	15,000	St. Louis	10,000
Clyde	10,000	King Philip	10,000	New Globe	25,000	Tennessee	40,000
Cardinal	10,000	Kansas	15,000	New Home	100,000	Tilghman's Fav	20,000
Chesapeake	10,000	Klondike	25,000	Oak's Early	100,000	Uncle Jim	17,000
Crimson Cluster	20,000	Louis Huboch	10,000	Orem	10,000	Warfield	60,000
Crescent	50,000	Livingstone	15,000	Parsons	95,000	Wolverton	10,000
Dayton	15,000	Lady Thompson	10,000	Rough Rider	20,000	Virginia	15,000
Ekey	20,000	Midnight	50,000	Star	8,000		
Early Hathaway	30,000	Mark Hanna	10,000	Sharpless	12,000		

DWARF—PEARS.

	3-5 ft.	3-4 ft.
Bartlett	370	100
Clapp's Favorite	200	—
Dutchess	1500	1000
Seckle	130	230

CHERRY TREES.

	5-7 ft.	5-6 ft.	4-5 ft.	3-4 ft.	2-3 ft.
Black Tartarian	132	30	277	—	—
Dyehouse	80	100	80	40	—
Early Richmond	830	1600	1180	290	—
English Morello	—	—	43	—	—
Gov. Wood	16	131	320	—	—
Montmorency	315	5740	4290	1420	1230
May Duke	—	144	180	300	—
Napoleon	180	825	75	—	—
Rockport	—	12	60	—	—
Windsor	77	335	347	—	—
Yellow Spanish	244	701	41	—	—

QUINCE.—3-5 Ft.

Bourgeat	148
Champion	965
Meech's Prolific	48
Orange	878
Reas	50

PEACH TREES.

	5-6 ft.	4-5 ft.	3-4 ft.	2-3 ft.	J. Budds
Ad. Dewey	250	—	—	—	—
Bilyeu	706	2288	1203	880	240
Belle of Gerogia	—	1423	4800	300	—
Champion	930	1030	1270	388	—
Crawford Early	—	—	500	770	490
Crosby	750	1050	385	350	130
Crawford Late	224	5950	12820	19668	2500
Carman	—	2746	2380	1810	160
Chair's Choice	186	485	1270	2060	1270
Elberta	4272	16479	19252	3762	4210
Engle's Mammoth	300	—	120	70	—
Fitzgerald	100	—	80	230	200
Frances	350	345	570	190	220
Foz Seedling	90	160	170	285	210
Foster	200	—	5	50	50
Geary's Holdon	410	180	—	80	30
Greensboro	—	—	525	590	290
Krummell's Late Oct.	470	—	—	—	—
Levy's Late	210	170	70	40	—
Lemon Cling	240	140	90	50	40
Moore's Favorite	190	120	—	120	20
Mt. Rose	—	720	—	1173	310
Old Mixon Free	1115	900	3145	1090	320
Picquet's Late	160	—	—	—	—
Reeve's Favorite	—	300	190	310	—
Stephen's R. R.	—	100	—	430	—
Stump	—	30	50	225	150
Sunrise Cling	160	150	85	60	—
Salway	1060	2240	1960	5140	2170
Smock	2355	930	—	770	2300
W. H. Cling	—	369	185	610	300
Waddell	5	140	30	—	48
Wonderful	170	100	—	200	200
Yellow S. John	850	1265	—	570	220
Capt. Ede	—	—	—	230	160

CALIFORNIA PRIVET.

	4-5 ft.	3-4 ft.	2-3 ft.	18-24 in.	12-18 in.
California Privet	1000	3000	1000	3000	5000

ORNAMENTALS.

	2-3 ft.	18-24 in.	12-18 in.
Norway Spruce	1000	1000	1000
	3-4 ft.	2-3 ft.	1-2 ft.
Siberian A. Vitæ	1000	1000	1000
	1 1/4-1 1/2 in.	1-1 1/4 in.	
Silver Maples	1000	5000	
Carolina Poplars, 1 1/2 to 2 ins., 10 to 12 ft.			500
Carolina Poplars, 1 to 1 1/2 ins., 8 to 10 ft.			1000
Mulberry, 7 to 8 ft.			1000
Mulberry, 6 to 8 ft.			1000
American Black Ash, 5 to 6 ft.			1000
Mulberry, 4 to 5 ft.			1000

J. G. Harrison & Sons, Nurseries, Berlin, Md.



THE NATIONAL NURSERYMAN



APRIL, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE
PINES, BOX BUSH. A general collection
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTEI
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

PLUM

Hardy American Varieties

We offer the trade for this spring's shipment over 25,000 first-class 5/7 and 4/5 ft. trees.

SOFT MAPLE SEEDLINGS

175,000---2 to 3, 3 to 5 and 5 to 7 feet. All first class, nursery grown under thoro cultivation.

BARGAIN PRICES ON
THE ABOVE TWO ITEMS

The Jewell Nursery Co.

LAKE CITY

MINNESOTA

THE LENOX SPRAYER



NO AIR PUMPING



NO SWEARING



PRESS THE BULB, THAT'S ALL

GALVANIZED SPRAYERS FOR \$3.



It is the Latest Improved LENOX SPRAYER A WOMAN CAN USE IT

Holds 24 quarts, built of Apollo Brand galvanized iron, never rust made to wear and to work. Press your thumb upon the bulb, you get your spray; stop your pressure, and you stop the spray. Pumps every drop out until empty. NO AIR PUMP BUSINESS—NO STOPPING at every few feet to pump air—OR TO SWEAR.

A potato field, a strawberry patch, a vineyard can be sprayed easily and in less time than talking to get the big pump out.

LOTS OF TIMES you can use a Knapsack where you cannot use a barrel pump. Handy at any place, your man in the field or a hired boy will use it three times before he will rig a naphtha pump and team once. With it a man gets into a tree, in a few minutes a good sized tree is sprayed, and proceeds to the next one. If the men-folks are not at home, the lady likes to do it for sport sake, because it is so easy.

COPPER \$8. OF PLANISHED COPPER

For People who want the best, people who do not allow price to interfere with quality.

N. N. LENOX SPRAYER CO., 165 West 23d Street, New York

WE STILL HAVE A GOOD SUPPLY OF

Apple Seedlings

ALL GRADES

ALSO HAVE

Japan Pear Seedlings
Kieffer Pear Seedlings
French Pear Seedlings

Samples and prices of Seedlings upon request.

We are prepared to put up

APPLE AND PEAR GRAFTS
IN QUANTITY

(We wrap grafts with cloth when desired—it makes a better union and gives a better stand.)

We have Kieffer Pear Trees—Extra fine 2 yr. old 5-7 ft 3-4 in.

Very low prices to reduce surplus.

F. W. WATSON & CO.
Topeka, Kans.

MILLIONS OF STRAWBERRY PLANTS

45,000 Auto
49,000 Aroma
37,000 Bubach
60,000 Brandywine
50,000 Bismarck
18,000 Climax
13,000 Cardinal
31,000 Crimson Cluster
98,000 Crescent
30,000 Dayton
40,000 Ekey
10,000 Excelsior
2,000 Fairfield
107,000 Gandy
20,000 Gladstone
22,000 Glen Mary
95,000 Haverland
74,000 Johnson's Early
20,000 King Philip
30,000 Kansas
20,000 Louis Huboch
35,000 Livingstone
22,000 Lady Thompson
98,500 Midnight
23,000 Mark Hanna
10,000 Marie



40,000 McKinley
97,500 Marshall
40,000 Mitchell's Early
57,000 Nick Ohmer
31,000 New York
50,000 New Globe
199,000 New Home
195,000 Oak's Early
20,000 Orein
185,000 Parsons
38,000 Rough Rider
8,000 Star
20,000 Sharpless
43,000 Sample
14,000 Superior
68,000 Senator Dunlap
168,000 Stephen's L. Champ
40,000 Sutherland
17,000 St. Louis
70,000 Tennessee
40,000 Tilghman's Fav.
35,000 Uncle Jim
125,000 Warfield
20,000 Wolverton
28,000 Virginia

Plants Tied 25 in a Bunch.

Surplus List of Apple Trees---Two Years

	5/8 in. 5-6 ft.	1/2 in. 4-5 ft.		5/8 in. 5-6 ft.	1/2 in. 4-5 ft.		5/8 in. 5-6 ft.	1/2 in. 4-5 ft.
Alb. Pippin		150	Gravenstein	360	150	Ribston Pippin	160	60
Ark. Black	170	20	Golden Beauty	210	80	Red June	885	460
A. G. Russett		550	Hyslop	585	650	Red Astrachan	1180	1320
Alexander		30	Hubbardston's Nonsuch	470	919	R. I. Greening		110
Ben Davis	2735		Jonathan	515	125	Scott's Winter	268	150
Bismarck	120	155	Kennard's Choice	230		Smith's Cider	215	200
Carthouse	175		Lawver	280	120	Salome	450	150
Chenango Straw	110	30	Limber Twig	60	40	Sutton's Beauty	200	30
Cooper's Market	210	110	Lankford Seedling	180	116	Stark	142	250
Dominie	920	660	Mann	930	340	Sweet Bough	190	110
Dutchess	100	290	M. B. Twigg	1015	375	Tallman's Sweet	50	280
Ey. Strawberry		20	Newtown Pippin		20	Transcendent	385	200
Ey. Colton	170	80	Nero	420	700	Wealthy	80	300
Fameuse		269	Porter		150	William's Ey. Red	3070	900
Fall Pippin	110	20	Pewaukee	230	220	Wagner		75
Fourth of July	810	150	Paradise W. Sweet	220	90	Wolf River		300
Fallwater	37	210	Roman Stem	1050	1300	Yellow Transparent	850	
Gano	2315		Rolfe	100		Yellow Belle	275	320

Peach Trees---One Year From Bud

	6-7 ft. 1 in. and up	5-6 ft. 9-16	4-5 ft. 1 1/2 in.	3-4 ft. 3/8 in.	2-3 ft. Buds	June		6-7 ft. 1 in. and up	5-6 ft. 9-16	4-5 ft. 1 1/2 in.	3-4 ft. 3/8 in.	2-3 ft. Buds	June
Ad. Dewey	220						Krummel's Late Oct	1270					
Bilyeu	706	2288	1080	880	170		Levy's Late	210	150	50			
Belle of Georgia		1040	4520	125			Lemon Cling	240	140	90	40		
Champion	770						Moore's Fav.	178	40				
Crawford Early				770	290		Mayflower	90	153	160	90	60	
Crosby	725	790	125	350	130		Mt. Rose				1000		
Crawford Late		4700	11650	19200		25000	Old Mixon Free	860	50	2320	945	200	
Carman		1600	2000	1625			Picquet's Late	160					
Chair's Choice		135	120	1900	1000	435	Steven's R. R.				200		
Elberta	2900	9500	10300				Stump				130	110	
Engle's Mammoth	300		70	70			Sunrise Cling	160	150	70	60		
Elberta Cling	70						Salway	1060	2830	1500	5000	920	2115
Oct. Elberta	140	10	40				Smock	2356	930		770		
Fitzgerald	72			115	200	190	W. H. Cling		224	100	760		
Frances	350	345	570	190	220	63	Wonderful	160	75		200	200	
Fox Seedling	30			175	80		Yellow St. John	850	1120		530		195
Geary's Holdon	410	190		80		30	Capt. Ede				215	160	60
Greensboro			525	590	290								

J. G. Harrison & Sons, Nurseries, Berlin, Md.



THE NATIONAL NURSERYMAN



MAY, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE PINES, BOX BUSH. A general collection of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA PRIVET, SPIRAEA VAN HOUTTEI

by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

MINNESOTA NURSERY STOCK

Complete assortment of Fruit and Ornamental stock in all varieties suited to Northern Culture. A Specialty of Hardy Shade Trees, Wind Break Stock, Evergreens, (Coniferous), Deciduous Shrubs, Apples and Native Plums.

1200 ACRES OF THE BEST MISSISSIPPI VALLEY SOIL

The Jewell Nursery Co.

Established 1868

Lake City, Minnesota

THE LENOX SPRAYER



NO AIR PUMPING



NO SWEARING



PRESS THE BULB, THAT'S ALL

GALVANIZED SPRAYERS FOR \$3.



It is the Latest Improved LENOX SPRAYER A WOMAN CAN USE IT

Holds 24 quarts, built of Apollo Brand galvanized iron, never rust made to wear and to work. Press your thumb upon the bulb, you get your spray; stop your pressure, and you stop the spray. Pumps every drop out until empty. NO AIR PUMP BUSINESS—NO STOPPING at every few feet to pump air—OR TO SWEAR.

A potato field, a strawberry patch, a vineyard can be sprayed easily and in less time than talking to get the big pump out.

LOTS OF TIMES you can use a Knapsack where you cannot use a barrel pump. Handy at any place, your man in the field or a hired boy will use it three times before he will rig a naphtha pump and team once. With it a man gets into a tree, in a few minutes a good sized tree is sprayed, and proceeds to the next one. If the men-folks are not at home, the lady likes to do it for sport sake, because it is so easy.

COPPER \$8. OF PLANISHED COPPER

For People who want the best, people who do not allow price to interfere with quality.

N. N. LENOX SPRAYER CO., 165 West 23d Street, New York

Special for Fall 1908

KEIFFER PEAR TREES

We have a block of 140,000 Keiffer Pear trees===coming 2 yr. old. These are on No. 1 branched French roots, and promise an extra fine lot.

Close Prices for Early Orders

Of course, we will have Apple Seedlings and Pear Seedlings to supply our old customers.

F. W. WATSON & CO.

Topeka, Kans.

MILLIONS OF STRAWBERRY PLANTS

45,000 Auto
40,000 Aroma
37,000 Bubach
60,000 Brandywine
50,000 Bismarck
18,000 Climax
13,000 Cardinal
31,000 Crimson Cluster
98,000 Crescent
30,000 Dayton
40,000 Ekey
10,000 Excelsior
2,000 Fairfield
107,000 Gandy
20,000 Gladstone
22,000 Glen Mary
95,000 Haverland
74,000 Johnson's Early
20,000 King Philip
30,000 Kansas
20,000 Louis Huboch
35,000 Livingstone
22,000 Lady Thompson
98,500 Midnight
23,000 Mark Hanna
10,000 Marie



Plants Tied 25 in a Bunch.

40,000 McKinley
97,500 Marshall
40,000 Mitchell's Early
57,000 Nick Ohmer
31,000 New York
50,000 New Globe
190,000 New Home
195,000 Oak's Early
20,000 Orem
185,000 Parsons
38,000 Rough Rider
8,000 Star
20,000 Sharpless
43,000 Sample
14,000 Superior
68,000 Senator Dunlap
168,000 Stephen's L. Champ
40,000 Sutherland
17,000 St. Louis
70,000 Tennessee
40,000 Tilghman's Fav.
35,000 Uncle Jim
125,000 Warfield
20,000 Wolverton
28,000 Virginia

Surplus List of Apple Trees---Two Years

		$\frac{5}{8}$ in.	$\frac{1}{2}$ in.			$\frac{5}{8}$ in.	$\frac{1}{2}$ in.			$\frac{5}{8}$ in.	$\frac{1}{2}$ in.
		5-6 ft.	4-5 ft.			5-6 ft.	4-5 ft.			5-6 ft.	4-5 ft.
Alb. Pippin			150	Gravenstein		360	150	Ribston Pippin		160	60
Ark. Black	170	20		Golden Beauty		210	80	Red June		885	460
A. G. Russett		550		Hyslop		585	650	Red Astrachan	1180	1320	
Alexander		30		Hubbardston's Nonsuch		470	919	R. I. Greening		110	
Ben Davis	2735			Jonathan		515	125	Scott's Winter		268	150
Bismarck	120	155		Kennard's Choice		230		Smith's Cider		215	200
Carthouse	175			Lawver		280	120	Salome		450	150
Chenango Straw	110	30		Limber Twig		60	40	Sutton's Beauty		200	30
Cooper's Market	210	110		Lankford Seedling		180	116	Stark		142	250
Dominie	920	660		Mann		930	340	Sweet Bough		190	110
Dutchess	100	290		M. B. Twigg	1015	375		Tallman's Sweet		50	280
Ey. Strawberry		20		Newtown Pippin		20		Transcendent		385	200
Ey. Colton	170	80		Nero		420	700	Wealthy		80	300
Fameuse		269		Porter			150	William's Ey. Red	3070	900	
Fall Pippin	110	20		Pewaukee		230	220	Wagner			75
Fourth of July	810	150		Paradise W. Sweet		220	90	Wolf River			300
Fallawater	37	210		Roman Stem	1050	1300		Yellow Transparent		850	
Gano	2315			Rolfe		100		Yellow Belle		275	320

Peach Trees---One Year From Bud

6-7 ft. 5-6 ft. 4-5 ft. 3-4 ft. 2-3 ft. June 1 in. and up 9-16 $\frac{1}{2}$ in. $\frac{3}{8}$ in. Buds						6-7 ft. 5-6 ft. 4-5 ft. 3-4 ft. 2-3 ft. June 1 in. and up 9-16 $\frac{1}{2}$ in. $\frac{3}{8}$ in. Buds					
Ad. Dewey	220					Krummel's Late Oct	1270				
Bilyeu	706	2288	1080	880	170	Levy's Late	210	150	50		
Belle of Georgia		1040	4520	125		Lemon Cling	240	140	90	40	
Champion	770					Moore's Fav.	178	40			
Crawford Early				770	290	Mayflower	90	153	160	90	60
Crosby	725	790	125	350	130	Mt. Rose				1000	
Crawford Late		4700	11650	19200	25000	Old Mixon Free	860	50	2320	945	200
Carman		1600	2000	1625		Picquet's Late	160				
Chair's Choice		135	120	1900	1000	Steven's R. R.				200	
Elberta	2900	9500	10300			Stump				130	110
Engle's Mammoth	300		70	70		Sunrise Cling	160	150	70	60	
Elberta Cling	70					Salway	1060	2830	1500	5000	920
Oct. Elberta	140	10	40			Smock	2356	930		770	
Fitzgerald	72			115	200	W. H. Cling		224	100	760	
Frances	350	345	570	190	220	Wonderful	160	75		200	200
Fox Seedling	30			175	80	Yellow St. John	850	1120		530	195
Geary's Holdon	410	190		80	30	Capt. Ede				215	160
Greensboro			525	590	290						60

J. G. Harrison & Sons, Nurseries, Berlin, Md.



THE NATIONAL NURSERYMAN



JUNE, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE
PINES, BOX BUSH. A general collection
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTEI

by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

MINNESOTA NURSERY STOCK

Complete assortment of Fruit and Ornamental stock in all varieties suited to Northern Culture. A Specialty of Hardy Shade Trees, Wind Break Stock, Evergreens, (Coniferous), Deciduous Shrubs, Apples and Native Plums.

1200 ACRES OF THE BEST MISSISSIPPI VALLEY SOIL

The Jewell Nursery Co.

Established 1868

Lake City, Minnesota

ANNUAL CONVENTION, JUNE 10-12, MILWAUKEE, WIS.

15 CENTS IN STAMPS

Will bring you a sample of our latest nurserymen's

Descriptive Catalogue

just from the press
Strictly up-to-date

WE CARRY THEM IN STOCK

for your accommodation. You can order small lots

\$8.50 per 100

CARRIED IN STOCK

Colored Plates

Plate Books

Colored Circulars

Business Cards, Assorted Designs

Nurseryman's Stock Book

Printed Forms

Rochester Lithographing Co.,

Rochester, N. Y.

Special for Fall 1908

KIEFFER PEAR TREES

We have a block of 140,000 Kieffer Pear trees==coming 2 yr. old. These are on No. 1 branched French roots, and promise an extra fine lot.

Close Prices for Early Orders

Of course, we will have Apple Seedlings and Pear Seedlings to supply our old customers.

F. W. WATSON & CO.

Topeka, Kans.

GROWING

A choice block **BUDDED APPLES** on select soil under good care. Over 50 Varieties.

Peaches on new land making a good growth. Over 100 Varieties.

BUDS READY JULY 1st



GET OUTSIDE

You can't grow good trees and stay in the house.
Visit us.

See our KIEFFER PEAR Trees.

You will buy Cherry, Plum, Silver Maples, Mulberry.

See ORLANDO HARRISON at the convention if you want a good tree. Badge No. 2

J. G. HARRISON & SONS
BERLIN, MD.



THE NATIONAL NURSERYMAN



JULY, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1908. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

EVERGREENS OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE
PINES, BOX BUSH. A general collection
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTEI

by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

MINNESOTA NURSERY STOCK

Complete assortment of Fruit
and Ornamental stock in all
varieties suited to Northern Cul-
ture. A Specialty of Hardy
Shade Trees, Wind Break Stock,
Evergreens, (Coniferous), Decid-
uous Shrubs, Apples and Native
Plums.

1200 ACRES OF THE BEST MISSISSIPPI VALLEY SOIL

The Jewell Nursery Co.

Established 1868

Lake City, Minnesota

APPLE PEACH PEAR PLUM CHERRY

BUDS READY TO CUT

APPLE.

Aiken Red
American Golden Russett
Baldwin
Ben Davis
Bismarck
Canada Red
Carthouse
Chenango Strawberry
Cooper's Market
Dominie
Dutchess
Early Harvest
Early Strawberry
Flora Belle
Grimes' Golden
Gravenstein
Golden Beauty
Hyslop
Jonathan
Kennard's Choice
King
Lankford Seedling
Longfield
Maiden's Blush
McIntosh Red
M. B. Twig
Missouri Pippin
Nero
Opalescent
Pewaukee
Paradise Winter Sweet
Rawles Janet
Red Astrachan
Rolfe
Roman Stem
R. I. Greening

Salome
Scott's Winter
Stark
Stayman's Winesap
Sweet Bough
Transcendent
Virginia Beauty
Walbridge
Wealthy
Winter Banana
Winesap
Wolf River
Yellow Belleflower
Yellow Transparent
York Imperial

PEACH

Admiral Dewey
A. Thompson Hurlock
Alexander
Amsden
Atlanta
Belle of Georgia
Bequet's Free
Bilyeu
Bokara
Bray's R. R.
Capt. Ede
Carman
Christiana
Chair's Choice
Champion
Chinese Cling
Connet's So. Early
Cobler
Connecticut

Crosby
Crawford Late
Crawford Early
Delaware
Denton
Edgemont
Early Rivers
Elberta
Engle's Mammoth
Emma
Eureka
Everbearing
Fitzgerald
Foster
Ford's Late White
Fox Seedling
Francis
Geary's Holdon
Globe
Gold Drop
Greensboro
Graves
Hague
Harrison Cling
Hieley
Hill's Chili
Hobson's Choice
Holland Cling
Hughes
Jennie Worthen
Kalamazoo
Klondike
Krummell's Late
Large Early York
Levy's Late
Lemon Cling
Lemon Free

Lewis
Lodge
Lorentz
Mary's Choice
Matthew's
Marshall
Mamie Ross
Mayflower
Moore's Favorite
Mt. Rose
Newington Cling
New Prolific
Niagara
Old Mixon
Picquet's Late
Ray
Reeves' Fav.
Red Cheek Melocotoon
Salway
Slappey
Smock
Sneed
Stephen's R. R.
Stump
Sunrise Cling
Troth's Ey.
Victor
Waddell
Walker's V. Free
Waterloo
Wheatland
Willett
Wilkin's Cling
W. H. Cling
Wonderful
Yellow St. John

YOUR ORDER PLEASE

CALIFORNIA PRIVET

5,000 4-5 ft.
5,000 3-4 ft.
10,000 2-3 ft.
10,000 18-24 in.
10,000 12-18 in.

KIEFFER PEAR

1,000 3 yr., 1 1/4 in., 7-8 ft.
5,000 2 yr., 3/4 in., 5-7 ft.
8,000 2 yr., 5/8 in., 5-6 ft.
8,000 2 yr., 9/16 in., 4-6 ft.
6,000 2 yr., 1/2 in., 4-5 ft.

SILVER MAPLES

1,000 1 1/4 in., 10-12 ft.
5,000 1-1 1/4 in., 9-10 ft.
5,000 7/8-1 in., 8-9 ft.

NORWAY SPRUCE

1,000 2-3 ft.
1,000 3-4 ft.
1,000 18-24 in.

SIBERIAN ARBOR VITEA

1,000 2-3 ft.
1,000 3-4 ft.

CHERRIES

	3/4	5/8	9/16	1/2
Early Richmond	1000	3000	3000	2000
Montmorency	1000	3000	3000	2000
Baldwin	500	1000	500	500
May Duke	100	200	200	200

PLUMS—2 Yrs.

	1 in.	3/4	5/8	1/2
Red June	1000	4000	4000	5000
Burbank	500	1000	1000	500
Wickson	1000	3000	3000	1000

J. G. HARRISON & SONS

BERLIN, MARYLAND

AUG 1908

Department of A



THE NATIONAL NURSERYMAN



AUGUST, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Oregon Grown Cut-Leaf Weeping Birch

IF YOU WANT THE BEST.

We have a block of 20,000 very fine trees for delivery spring 1909. Grades as follows: 8-10 and 10-12 feet. Straight with a fine leader; heavily branched and well headed. The finest ever handled in the East.

We offer also superior Double Flowering Thorn; colors, red, white and pink.

Fine stock of TWO YEAR old CHERRIES, APPLES, PLUMS and a few PEARS caliper 5-8 to 3-4, and 3-4 in. up.

Large stock of ORNAMENTALS. Write for surplus list.

Place your order now and avoid after regrets.

Stock will be ready for re-shipment from Chicago for early delivery.

For prices and other information, address

OREGON NURSERY CO.,

SALEM, OREGON.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE PINES, BOX BUSH. A general collection of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA PRIVET, SPIRAEA VAN HOUTTEI by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

COMPASS CHERRY - PLUM

We offer to the trade for Fall 1908 shipment, a few thousand trees of this hybrid fruit. First-class trees on native plum stocks, smooth, in two grades, 1 1/16 in. up and 5/8 to 1 1/16. A great seller for the northern trade.

Also a large stock of Americana Plum. Northern varieties.

WRITE FOR OUR PRICES

The Jewell Nursery Co.

LAKE CITY

::

MINNESOTA

EVERGREENS

for

August and September
Planting

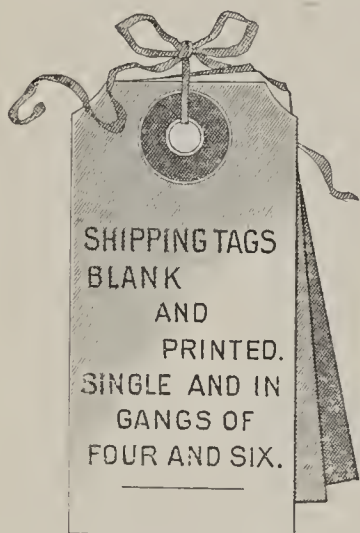
American Arborvitae	from 2	to 6 feet
Dwarf Arbor Vitae's	from 2	to 3 feet
Austrian Pine	from 2	to 3 feet
Scotch Pine	from 2	to 4 feet
White Pine	from 2	to 6 feet
Retinosporas, 7 varieties	from 1½	to 4 feet
Colorado Blue Spruce	from 2	to 6 feet
Engleman's Spruce	from 2	to 5 feet
Hemlock Spruce	from 2	to 8 feet
Norway Spruce	from 2 to	6 feet
Weeping Norway Spruce	from 2 to	8 feet

Hoopes Bro. & Thomas Company

Philadelphia Office,
222-3-4-5 Stephen Girard Bldg.

MAPLE AVENUE NURSERIES
WESTCHESTER, PENNA.

HAVE you seen and examined
the quality of our water-
proof rawhide shipping tags
and tree labels? This stock is



especially
adapted to
hard usage
and outside
use. "Once
used, always
used." Send
for samples
and prices.
Our refer-

ences are the largest Nursery-
men in the United States.

The Denney Tag Co.
WEST CHESTER, PA.

HOYT'S EVERGREENS

An unlimited stock to select from,
including NORWAY SPRUCE,
AMERICAN ARBOR VITAE, HEM-
LOCKS, AUSTRIAN, SCOTCH, and
WHITE PINES, RETINOSPORAS, and
BLUE SPRUCE. Stock varying in
size from two to eight feet. A
large quantity of BERBERRY
THUNBERGII, CALIFORNIA PRI-
VET, POPLARS, NORWAY and SUGAR
MAPLES, and all kinds of ORNA-
MENTAL and FOREST TREES, SHRUB-
BERRY of all kinds, FRUIT TREES
BERRY BUSHES, HERBACEOUS and
PERENNIAL PLANTS.

Let us quote you prices.

Stephen Hoyt's Sons' Co.
New Canaan, Conn.

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping
conifer is the most distinct weeping tree in existence.
Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varie-
ties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varie-
ties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS,
250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in
any quantity and in all varieties; Nectarines, Peaches,
Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS,
35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES,
25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers)
1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varie-
ties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSEYMEN AND FLORISTS,

RUTHERFORD, N. J.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for **WHOLESALE**
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,
16 Route d'Olivet **BARBIER and CO., Successors,** Orleans, France

The Commercial Nursery Co.

of WINCHESTER, TENN.

Offers a General Line of Nursery Stock.
Specially heavy on Peach Trees
—promise to be very fine
this season.

Can Supply in car load lots. Write us
for prices and give us a trial, we
will try and please you.

COMMERCIAL NURSERY CO.
HARRY NICHOLSON, Mgr.

FOR SEASON OF 1908-'09

Budded and Grafted Pecans
Lecont and Kieffer Pears, Hardy
Oranges, Plum, Persimmon, Fig,
Mulberries, etc. A full line of Orna-
mentals and Shade Trees.

QUANTITY AND QUALITY
CORRESPONDENCE SOLICITED

A RCADIA NURSERIES
MONTICELLO, FLA.

Special Offer of ENGLISH GROWN BULBS

A BARGAIN FOR IMMEDIATE BOOKING

TULIPS---MAY FLOWERING---TULIPS

These are grand for Cut Bloom being specially adapted for American Cut Flower Trade, having long stalks and being some of the very best varieties.

BOUTON D'OR, GOLDEN EAGLE, GOLD CUP, *PARISIAN WHITE, ISABELLA, GOLDEN CROWN, PICOHEE.
MACROSPHILA, PARISIAN YELLOW, LA MERVEVILLE, *La Candeur

TULIPS---DARWINS---TULIPS

These consist of the very best varieties grown and all true to name In 50 varieties to name. Mixed choice sorts.
NARICISSUS. Albo Plenus Ordorato (Double White), sweet scented. Extra large stock to clear.
IRIS. German. In separate colours. 30 sorts.
ANEMONE. Best scarlet. These are the best on market for cutting. Very large stocks of all varieties of NARICISSUS,
TULIPS, CROCUS, ANEMONES, Etc., Etc. Special quotations given by stating requirements.

All Bulbs I offer are grown on my own Nurseries at Wisbech, England.

TERMS, NET CASH. Send for List. State Requirements.

(The above offers are subject being unsold on receipt of order.)

ADDRESS IN FULL

J. W. CROSS

Old Grammar School

WISBECH, ENG.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

When writing to Advertisers mention The National Nurseryman.

APPLE PEACH PEAR PLUM CHERRY

BUDS READY TO CUT

APPLE.

Aiken Red
American Golden Russett
Baldwin
Ben Davis
Bismarck
Canada Red
Carthouse
Chenango Strawberry
Cooper's Market
Dominie
Dutchess
Early Harvest
Early Strawberry
Flora Belle
Grimes' Golden
Gravenstein
Golden Beauty
Hyslop
Jonathan
Kennard's Choice
King
Lankford Seedling
Longfield
Maiden's Blush
McIntosh Red
M. B. Twig
Missouri Pippin
Nero
Opalescent
Pewaukee
Paradise Winter Sweet
Rawles Janet
Red Astrachan
Rolfe
Roman Stem
R. I. Greening

Salome
Scott's Winter
Stark
Stayman's Winesap
Sweet Bough
Transcendent
Virginia Beauty
Walbridge
Wealthy
Winter Banana
Winesap
Wolf River
Yellow Belleflower
Yellow Transparent
York Imperial

PEACH

Admiral Dewey
A. Thompson Hurlock
Alexander
Amsden
Atlanta
Belle of Georgia
Bequet's Free
Bilyeu
Bokara
Bray's R. R.
Capt. Ede
Carman
Christiana
Chair's Choice
Champion
Chinese Cling
Connet's So. Early
Cobler
Connecticut

Crosby
Crawford Late
Crawford Early
Delaware
Denton
Edgemont
Early Rivers
Elberta
Engle's Mammoth
Emma
Eureka
Everbearing
Fitzgerald
Foster
Ford's Late White
Fox Seedling
Francis
Geary's Holdon
Globe
Gold Drop
Greensboro
Graves
Hague
Harrison Cling
Hieley
Hill's Chili
Hobson's Choice
Holland Cling
Hughes
Jennie Worthen
Kalamazoo
Klondike
Krummell's Late
Large Early York
Levy's Late
Lemon Cling
Lemon Free

Lewis
Lodge
Lorentz
Mary's Choice
Matthew's
Marshall
Mamie Ross
Mayflower
Moore's Favorite
Mt. Rose
Newington Cling
New Prolific
Niagara
Old Mixon
Picquet's Late
Ray
Reeves' Fav.
Red Cheek Melocotoon
Salway
Slappey
Smock
Sneed
Stephen's R. R.
Stump
Sunrise Cling
Troth's Ey.
Victor
Waddell
Walker's V. Free
Waterloo
Wheatland
Willett
Wilkin's Cling
W. H. Cling
Wonderful
Yellow St. John

YOUR ORDER PLEASE

CALIFORNIA PRIVET

5,000 4-5 ft.
5,000 3-4 ft.
10,000 2-3 ft.
10,000 18-24 in.
10,000 12-18 in.

KIEFFER PEAR

1,000 3 yr., 1 1/4 in., 7-8 ft.
5,000 2 yr., 3/4 in., 5-7 ft.
8,000 2 yr., 5/8 in., 5-6 ft.
8,000 2 yr., 1/2 in., 4-6 ft.
6,000 2 yr., 1/2 in., 4-5 ft.

SILVER MAPLES

1,000 1 1/4 in., 10-12 ft.
5,000 1-1 1/4 in., 9-10 ft.
5,000 7/8-1 in., 8-9 ft.

NORWAY SPRUCE

1,000 2-3 ft.
1,000 3-4 ft.
1,000 18-24 in.

SIBERIAN ARBOR VITEA

1,000 2-3 ft.
1,000 3-4 ft.

CHERRIES

	3/4	5/8	9/16	1/2
Early Richmond	1000	3000	3000	2000
Montmorency	1000	3000	3000	2000
Baldwin	500	1000	500	500
May Duke	100	200	200	200

PLUMS—2 Yrs.

	1 in.	3/4	5/8	1/2
Red June	1000	4000	4000	5000
Burbank	500	1000	1000	500
Wickson	1000	3000	3000	1000

J. G. HARRISON & SONS

BERLIN, MARYLAND



THE NATIONAL NURSERYMAN



SEPTEMBER, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

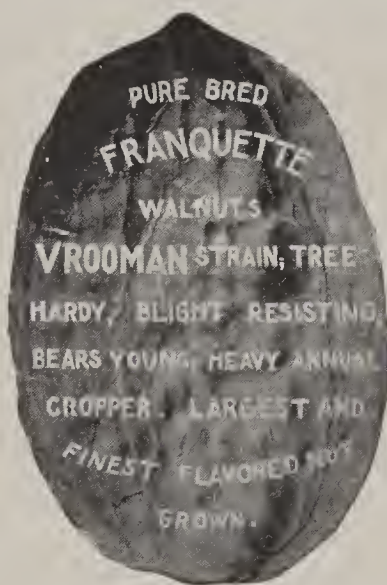
PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Franquette Walnut Trees

Our Franquette Walnut trees produce the kind of nuts you saw and we hope sampled at the Detroit Convention.



Our Franquette Walnut trees are the famous pure bred Vrooman strain of which we are the exclusive growers. Send for free booklet about same.

Address,

Oregon Nursery Co., SALEM, ORE.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE PINES, BOX BUSH. A general collection of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA PRIVET, SPIRAEA VAN HOUTTEI by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

COMPASS CHERRY - PLUM

We offer to the trade for Fall 1908 shipment, a few thousand trees of this hybrid fruit. First-class trees on native plum stocks, smooth, in two grades, 1 1/16 in. up and 5/8 to 1 1/16. A great seller for the northern trade.

Also a large stock of Americana Plum. Northern varieties.

WRITE FOR OUR PRICES

The Jewell Nursery Co.

LAKE CITY

::

MINNESOTA

EVERGREENS

for

August and September
Planting

American Arbor Vitae	from 2	to 6 feet
Dwarf Arbor Vitae	from 2	to 3 feet
Austrian Pine	from 2	to 3 feet
Scotch Pine	from 2	to 4 feet
White Pine	from 2	to 6 feet
Retinosporas, 7 varieties	from 1½	to 4 feet
Colorado Blue Spruce	from 2	to 6 feet
Engleman's Spruce	from 2	to 5 feet
Hemlock Spruce	from 2	to 8 feet
Norway Spruce	from 2	to 6 feet
Weeping Norway Spruce	from 2	to 8 feet

Hoopes Bro. & Thomas Company

Philadelphia Office, MAPLE AVENUE NURSERIES
222-3-4-5 Stephen Girard Bldg. WESTCHESTER, PENNA.

HAVE you seen and examined
the quality of our water-
proof rawhide shipping tags
and tree labels? This stock is



especially
adapted to
hard usage
and outside
use. "Once
used, always
used." Send
for samples
and prices.

Our refer-
ences are the largest Nursery-
men in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

HOYT'S EVERGREENS

An unlimited stock to select from,
including NORWAY SPRUCE,
AMERICAN ARBOR VITAE, HEM-
LOCKS, AUSTRIAN, SCOTCH, and
WHITE PINES, RETINOSPORAS, and
BLUE SPRUCE. Stock varying in
size from two to eight feet. A
large quantity of BERBERRY
THUNBERGII, CALIFORNIA PRI-
VET, POPLARS, NORWAY and SUGAR
MAPLES, and all kinds of ORNA-
MENTAL and FOREST TREES, SHRUB-
BERRY of all kinds, FRUIT TREES
BERRY BUSHES, HERBACEOUS and
PERENNIAL PLANTS.

Let us quote you prices.

Stephen Hoyt's Sons' Co.
New Canaan, Conn.

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping
conifer is the most distinct weeping tree in existence.
Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and EVERGREENS, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varie-
ties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and STANDARD DECIDUOUS TREES, 50 varie-
ties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and CLIMBERS, 75 varieties.
PLANTS and TRAILING VINES, 12 varieties.
SPRING and SUMMER FLOWERING ROOTS and BULBS,
250 varieties.
DECORATIVE and FLOWERING PLANTS, 50 varieties.
TRAINED and OTHER FRUIT TREES. We can supply in
any quantity and in all varieties; Nectarines, Peaches,
Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and RARE TREES, SHRUBS and EVERGREENS,
35 varieties.
MISCELLANEOUS NEW and RARE PLANTS and VINES,
25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers)
1,000 varieties.
NEW and RARE CHOICE HARDY PERENNIALS, 65 varie-
ties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG VISIT NURSERIES
BOBBINK & ATKINS,
NURSERYMEN AND FLORISTS,
RUTHERFORD, N. J.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for **WHOLESALE**
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors,

Orleans, France

The Commercial Nursery Co.
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock.
Specially heavy on Peach Trees
—promise to be very fine
this season.

Can supply in car load lots. Write us
for prices and give us a trial, we
will try and please you.

COMMERCIAL NURSERY CO.
HARRY NICHOLSON, Mgr.

Victor Détriché

Angers, France

Grower and Exporter of Fruit-Tree Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs and Conifers.

Write for special price-list and catalogue to my sole agent
for the United States.

CLARK NURSERY COMPANY
Rochester, N. Y.

"IT PAYS TO GET THE BEST."

Special Offer of ENGLISH GROWN BULBS

A BARGAIN FOR IMMEDIATE BOOKING

TULIPS---MAY FLOWERING---TULIPS

These are grand for Cut Bloom being specially adapted for American Cut Flower Trade, having long stalks and being some of the very best varieties.

BOUTON D'OR, GOLDEN EAGLE, GOLD CUP, *PARISIAN WHITE, ISABELLA, *GOLDEN CROWN, PICOHEE.
MACROSPHILA, PARISIAN YELLOW, LA MERVEVILLE, *La Candeur

TULIPS---DARWINS---TULIPS

These consist of the very best varieties grown and all true to name. In 50 varieties to name. Mixed choice sorts.

NARICISSUS. Albo Plenus Ordorato (Double White), sweet scented. Extra large stock to clear.

IRIS. German. In separate colours. 30 sorts.

ANEMONE. Best scarlet. These are the best on market for cutting. Very large stocks of all varieties of NARICISSUS,

TULIPS, CROCUS, ANEMONES, Etc., Etc. Special quotations given by stating requirements.

All Bulbs I offer are grown on my own Nurseries at Wisbech, England.

TERMS, NET CASH. Send for List. State Requirements.

(The above offers are subject being unsold on receipt of order.)

ADDRESS IN FULL

J. W. CROSS

Old Grammar School

WISBECH, ENG.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

When writing to Advertisers mention The National Nurseryman.

EVERGREENS

for

August and September Planting

American Arbor Vitae	from 2	to 6 feet
Dwarf Arbor Vitae	from 2	to 3 feet
Austrian Pine	from 2	to 3 feet
Scotch Pine	from 2	to 4 feet
White Pine	from 2	to 6 feet
Retinosporas, 7 varieties	from 1½	to 4 feet
Colorado Blue Spruce	from 2	to 6 feet
Engleman's Spruce	from 2	to 5 feet
Hemlock Spruce	from 2	to 8 feet
Norway Spruce	from 2 to	6 feet
Weeping Norway Spruce	from 2 to	8 feet

Hoopes Bro. & Thomas Company

Philadelphia Office,
222-3-4-5 Stephen Girard Bldg.

MAPLE AVENUE NURSERIES
WESTCHESTER, PENNA.

HAVE you seen and examined
the quality of our water-
proof rawhide shipping tags
and tree labels? This stock is



especially
adapted to
hard usage
and outside
use. "Once
used, always
used." Send
for samples
and prices.

Our refer-

ences are the largest Nursery-
men in the United States.

The Denney Tag Co.

WEST CHESTER, PA.

HOYT'S EVERGREENS

An unlimited stock to select from,
including NORWAY SPRUCE,
AMERICAN ARBOR VITAE, HEM-
LOCKS, AUSTRIAN, SCOTCH, and
WHITE PINES, RETINOSPORAS, and
BLUE SPRUCE. Stock varying in
size from two to eight feet. A
large quantity of BERBERRY
THUNBERGII, CALIFORNIA PRI-
VET, POPLARS, NORWAY and SUGAR
MAPLES, and all kinds of ORNA-
MENTAL and FOREST TREES, SHRUB-
BERRY of all kinds, FRUIT TREES
BERRY BUSHES, HERBACEOUS and
PERENNIAL PLANTS.

Let us quote you prices.

Stephen Hoyt's Sons' Co.

New Canaan, Conn.

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.

WEeping BLUE SPRUCE. This most wonderful weeping
conifer is the most distinct weeping tree in existence.
Ask price.

ROSES, Hybrid Perpetual and Hybrid Tea varieties.

CONIFERS and EVERGREENS, 150 varieties.

RHODODENDRONS, Hardy Hybrid and Maxima, 50 varie-
ties.

EVERGREEN SHRUBS, 35 varieties.

FLOWERING SHRUBS, 350 varieties.

JAPANESE MAPLES, 25 varieties.

ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.

WEeping and STANDARD DECIDUOUS TREES, 50 varie-
ties.

HEDGE PLANTS, 25 kinds.

HARDY VINES and CLIMBERS, 75 varieties.

PLANTS and TRAILING VINES, 12 varieties.

SPRING and SUMMER FLOWERING ROOTS and BULBS,
250 varieties.

DECORATIVE and FLOWERING PLANTS, 50 varieties.

TRAINED and OTHER FRUIT TREES. We can supply in
any quantity and in all varieties; Nectarines, Peaches,
Plums, Apricots, Cherries, Pears, Apples, etc.

SMALL FRUITS, 75 varieties.

NEW and RARE TREES, SHRUBS and EVERGREENS,
35 varieties.

MISCELLANEOUS NEW and RARE PLANTS and VINES,
25 varieties.

HARDY HERBACEOUS PLANTS (Old Fashioned Flowers)
1,000 varieties.

NEW and RARE CHOICE HARDY PERENNIALS, 65 varie-
ties.

ORNAMENTAL GRASSES, 30 varieties.

HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for WHOLESALE
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER *and* CO., Successors,

Orleans, France

The Commercial Nursery Co.
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock.
Specially heavy on Peach Trees
—promise to be very fine
this season.

Can supply in car load lots. Write us
for prices and give us a trial, we
will try and please you.

COMMERCIAL NURSERY CO.
HARRY NICHOLSON, Mgr.

Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree
Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs,
and Conifers for Nursery Planting.

Write for special price-list and catalogue.

CLARK NURSERY CO., Rochester, N.Y.

Sole Agents for the United States.

"YOU GET WHAT YOU ORDER."

Special Offer of ENGLISH GROWN BULBS

A BARGAIN FOR IMMEDIATE BOOKING

TULIPS---MAY FLOWERING---TULIPS

These are grand for Cut Bloom being specially adapted for American Cut Flower Trade, having long stalks and being some of the very best varieties.

BOUTON D'OR, GOLDEN EAGLE, GOLD CUP, *PARISIAN WHITE, ISABELLA, GOLDEN CROWN, PICOHEE
MACROSPHILA, PARISIAN YELLOW, LA MERVEVILLE, *La Candeur

TULIPS---DARWINS---TULIPS

These consist of the very best varieties grown and all true to name. In 50 varieties to name. Mixed choice sorts.

NARICISSUS. Albo Plenus Ordorato (Double White), sweet scented. Extra large stock to clear.

IRIS. German. In separate colours. 30 sorts.

ANEMONE. Best scarlet. These are the best on market for cutting. Very large stocks of all varieties of NARICISSUS,

TULIPS, CROCUS, ANEMONES, Etc., Etc. Special quotations given by stating requirements.

All Bulbs I offer are grown on my own Nurseries at Wisbech, England.

TERMS, NET CASH. Send for List. State Requirements.

(The above offers are subject being unsold on receipt of order.)

ADDRESS IN FULL

J. W. CROSS

Old Grammar School

WISBECH, ENG.

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE CO., Derry Village, N. H.

When writing to Advertisers mention The National Nurseryman.

APPLE PEACH PEAR PLUM CHERRY

BUDS READY TO CUT

APPLE.

Aiken Red
American Golden Russett
Baldwin
Ben Davis
Bismarck
Canada Red
Carthouse
Chenango Strawberry
Cooper's Market
Dominie
Dutchess
Early Harvest
Early Strawberry
Flora Belle
Grimes' Golden
Gravenstein
Golden Beauty
Hyslop
Jonathan
Kennard's Choice
King
Lankford Seedling
Longfield
Maiden's Blush
McIntosh Red
M. B. Twig
Missouri Pippin
Nero
Opalescent
Pewaukee
Paradise Winter Sweet
Rawles Janet
Red Astrachan
Rolfe
Roman Stem
R. I. Greening

Salome
Scott's Winter
Stark
Stayman's Winesap
Sweet Bough
Transcendent
Virginia Beauty
Walbridge
Wealthy
Winter Banana
Winesap
Wolf River
Yellow Belleflower
Yellow Transparent
York Imperial

PEACH

Admiral Dewey
A. Thompson Hurlock
Alexander
Amsden
Atlanta
Belle of Georgia
Bequet's Free
Bilyeu
Bokara
Bray's R. R.
Capt. Ede
Carman
Christiana
Chair's Choice
Champion
Chinese Cling
Connet's So. Early
Cobler
Connecticut

Crosby
Crawford Late
Crawford Early
Delaware
Denton
Edgemont
Early Rivers
Elberta
Engle's Mammoth
Emma
Eureka
Everbearing
Fitzgerald
Foster
Ford's Late White
Fox Seedling
Francis
Geary's Holdon
Globe
Gold Drop
Greensboro
Graves
Hague
Harrison Cling
Hieley
Hill's Chili
Hobson's Choice
Holland Cling
Hughes
Jennie Worthen
Kalamazoo
Klondike
Krummell's Late
Large Early York
Levy's Late
Lemon Cling
Lemon Free

Lewis
Lodge
Lorentz
Mary's Choice
Matthew's
Marshall
Mamie Ross
Mayflower
Moore's Favorite
Mt. Rose
Newington Cling
New Prolific
Niagara
Old Mixon
Picquet's Late
Ray
Reeves' Fav.
Red Cheek Melocotoon
Salway
Slappey
Smock
Sneed
Stephen's R. R.
Stump
Sunrise Cling
Troth's Ey.
Victor
Waddell
Walker's V. Free
Waterloo
Wheatland
Willett
Wilkin's Cling
W. H. Cling
Wonderful
Yellow St. John

YOUR ORDER PLEASE

CALIFORNIA PRIVET

5,000 4-5 ft.
5,000 3-4 ft.
10,000 2-3 ft.
10,000 18-24 in.
10,000 12-18 in.

KIEFFER PEAR

1,000 3 yr., 1 1/4 in., 7-8 ft.
5,000 2 yr., 3/4 in., 5-7 ft.
8,000 2 yr., 5/8 in., 5-6 ft.
8,000 2 yr., 9/16 in., 4-6 ft.
6,000 2 yr., 1/2 in., 4-5 ft.

SILVER MAPLES

1,000 1 1/4 in., 10-12 ft.
5,000 1-1 1/4 in., 9-10 ft.
5,000 7/8-1 in., 8-9 ft.

NORWAY SPRUCE

1,000 2-3 ft.
1,000 3-4 ft.
1,000 18-24 in.

SIBERIAN ARBOR VITAE

1,000 2-3 ft.
1,000 3-4 ft.

CHERRIES

	3/4	5/8	9/16	1/2
Early Richmond	1000	3000	3000	2000
Montmorency	1000	3000	3000	2000
Baldwin	500	1000	500	500
May Duke	100	200	200	200

PLUMS—2 Yrs.

1 in.	3/4	5/8	1/2
1000	4000	4000	5000
500	1000	1000	500
1000	3000	3000	1000

J. G. HARRISON & SONS

BERLIN, MARYLAND



THE NATIONAL NURSERYMAN



NOVEMBER, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

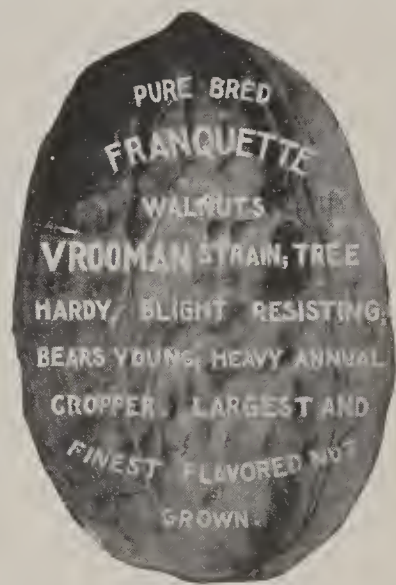
PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

Buy Franquette Walnut Trees

Our Franquette Walnut trees produce the kind of nuts you saw and we hope sampled at the Detroit Convention.



Our Franquette Walnut trees are the famous pure bred Vrooman strain of which we are the exclusive growers. Send for free booklet about same.

Address,

Oregon Nursery Co., SALEM, ORE.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE PINES, BOX BUSH. A general collection of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA PRIVET, SPIRAEA VAN HOUTTEI by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

PLUMS

Americana Varieties on Native Roots

We make a specialty of this class of Stock and offer a strong assortment of first-class trees at low prices. Send for Surplus List.

Largest Stock of

Compass Cherry Plum

in the U. S. All on native plum roots.

Ash and Maple Seedlings in quantity

Red Currants, 2 year No. 1 stock

Box Elder, 1 1-4 inch (8 to 10 ft. stock)

Elm, 1 1-4 inch (8 to 10 ft. stock)

Snowball, first-class, 2 to 3 and 3 to 4 ft.

Write for prices on these and other surplus items

The Jewell Nursery Co.

LAKE CITY

::

MINNESOTA

Maple Avenue Nurseries

We wish to call the attention of the Trade to our large stock of Ornamentals, especially:

American Ash, Catalpa Bungeii, English, Mossy-Cup, Pin, Red, Scarlet and White Oaks, Sweet Gum.

ORIENTAL PLANES,—one year from cuttings, fine, from one to three feet for planting in nursery rows.

A large assortment of Evergreens in all sizes. Our usual fine assortment of Shrubs.

Strong Everblooming Roses from four inch pots, our new Christine Wright, a beautiful pink climber.

S E N D F O R T R A D E L I S T

Hoopes, Bro. & Thomas Company

WESTCHESTER, PENNA.

Philadelphia Office, 222-3-4-5 Stephen Girard Bldg., 21 South Twelfth St.

HAVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is

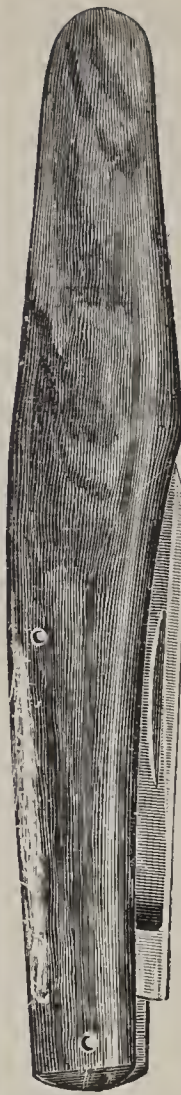


especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our refer-

ences are the largest Nurserymen in the United States.

The Denney Tag Co.

WEST CHESTER, PA.



A Budding Knife (?) for One Cent

By the recent consolidation we fell heir to several gross of "dese yere no 'count" budding knives,—see cut opposite. We've never highly recommended them,—didn't have the nerve. The truth is for a Budding Knife, they are hardly wuth a cuss. It's a case where "room's worth more than their company" and we're gwine ter give 'em away—for a cent,—feeling sure they'll never hold edge enough to "cut our love in two."

Send one copper cent and you will receive a knife, post-paid—one to each applicant—but don't tell where you got 'em and don't judge the rest of our stuff by this penny purchase.

We DO SELL GOOD KNIVES, GOOD SHEARS, Twines, Muleskin Mittens, Chase's Tree Counter and GOOD NURSERY STOCK.

PLEASE PASS YOUR WANT LIST THIS WAY

Chase Nursery Company

HUNTSVILLE, ALABAMA

B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
 WEEPING BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
 ROSES, Hybrid Perpetual and Hybrid Tea varieties.
 CONIFERS and EVERGREENS, 150 varieties.
 RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.
 EVERGREEN SHRUBS, 35 varieties.
 FLOWERING SHRUBS, 350 varieties.
 JAPANESE MAPLES, 25 varieties.
 ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
 WEEPING and STANDARD DECIDUOUS TREES, 50 varieties.
 HEDGE PLANTS, 25 kinds.
 HARDY VINES and CLIMBERS, 75 varieties.
 PLANTS and TRAILING VINES, 12 varieties.
 SPRING and SUMMER FLOWERING ROOTS and BULBS, 250 varieties.
 DECORATIVE and FLOWERING PLANTS, 50 varieties.
 TRAINED and OTHER FRUIT TREES. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
 SMALL FRUITS, 75 varieties.
 NEW and RARE TREES, SHRUBS and EVERGREENS, 35 varieties.
 MISCELLANEOUS NEW and RARE PLANTS and VINES, 25 varieties.
 HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.
 NEW and RARE CHOICE HARDY PERENNIALS, 65 varieties.
 ORNAMENTAL GRASSES, 30 varieties.
 HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for **WHOLESALE
CATALOGUES**

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors,

Orleans, France

The Commercial Nursery Co.
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock.
Specially heavy on Peach Trees
—promise to be very fine
this season.

Can supply in car load lots. Write us
for prices and give us a trial, we
will try and please you.

COMMERCIAL NURSERY CO.
HARRY NICHOLSON, Mgr.

Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree
Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs,
and Conifers for Nursery Planting.

Write for special price-list and catalogue.

CLARK NURSERY CO., Rochester, N.Y.

Sole Agents for the United States.

"YOU GET WHAT YOU ORDER."

PAN HANDLE NURSERIES,
GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.
Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

WOOD LABELS
FOR NURSEYMEN
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our
careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

1000 bushels North Carolina Peach Seed
200 bushels White Oak Acorns
200 bushels Chestnut Oak Acorns
100 bushels Scaly Bark Hickory Nuts
100 bushels Common Hickory Nuts
100 bushels Black Walnuts
100 bushels Sweet Chestnuts

SAMPLES AND PRICES FURNISHED ON APPLICATION

All quoted for immediate shipment and subject to prior sale

HICKORY SEED COMPANY

Catalogue Free

HICKORY, N. C.



When writing to Advertisers mention The National Nurseryman.

Apples, Peaches, Pears & Other Nursery Stock in Quantities

Our ability to take care of extra large orders is generally known to Nurserymen. This year we have such a tremendous stock of fine quality stuff, however, that we desire to call special attention to it. 400,000 Apple Trees in 50 varieties, 700,000 Peach Trees in 100 varieties, nearly 200,000 Pear Trees and approximately 6 million Strawberry Plants form part of our enormous stocks. We give below the leading varieties of our stock and invite correspondence. Complete list and prices on application.

Peaches

During the past 20 years we have grown more Peaches than any other firm in America. We carry probably the largest assortment of varieties.

We name below only the sorts of which we have more than 5,000 trees each, though in most cases our stock runs over the 10,000 mark and of Crawford Late and Elberta we have over 100,000 fine trees each.

Bilyen
Belle of Georgia
Crawford Early
Chait's Choice
Carman
Crosby

Champion
Crawford Late
Elberta
Engle's Mammoth
Fox's Seedling
Frances

Geary's Holden
Greensboro
Mt. Rose
Moore's Favorite
Niagara
Old Mixon

Reeve's Favorite
Ray
Smock
Salway
Stump
Wonderful

Pears

All our Pear Trees are carefully graded as to size and shape. They are grown on French crab-apple roots and dug with full root and fiber.

96,000 2 year 4 to 8 feet KIEFFER PEARS 100,000 1 year old

Grapes

We have an excellent stock of Black, Red and White Varieties. The two sorts given herewith are our leaders.

20,000 Concord 20,000 Moore's Early

Strawberries

Sixty acres with six millions of strong, thrifty Strawberry plants in nearly 50 varieties is a showing of which we are justly proud! We make it a point to weed out all worthless varieties, offering only the cream of the standard kinds. More than 100,000 plants of each of the following sorts are on hand now, though of some leaders, as Gandy and Klondike, we have more than one million plants.

Auto
Bubach
Bismarek
Crimson Cluster
Crescent

Early Hathaway
Gandy
Glen Mary
Haverland
Johnson's Early

Klondike
Lady Thompson
Midnight
Marshall
Mark Hanna

New York
Nick Ohmer
Oak's Early
Parson's Beauty

Stephen's Late
Champion
Senator Dunlap
Tennessee
Warfield

Ornamentals

Increasing attention is given to this part of our business. We are prepared (better than ever before) to fill orders for large quantities with stock of fine quality. We have added Clematis, Dahlias, Rambler Roses, etc., to our collection and also acquired an extra fine lot of Bay Trees. We herewith mention a few of our leading specialties:

CALIFORNIA PRIVET

5,000—4 to 5 feet
50,000—3 to 4 feet
100,000—2 to 3 feet
100,000—18 to 24 inches
50,000—12 to 18 inches

DECIDUOUS TREES

1,000 American Black
Assorted
1,000 American Elm
2,000 Box Elder
5,000 Carolina Poplar

2,000 Catalpa
1,000 Magnolia
3,000 Mulberries
1,000 Norway Maples
5,000 Silver Maples

EVERGREENS

1,000 Amer. Arbor Vitae
500 Blue Cedar
700 Norway Spruce

FLOWERING SHRUBS—Azalea Mollis, Rhododendron, Rosea Rugosa, Peonies, Hydrangeas

While abroad the past summer our Mr. Orlando Harrison made quite an extensive trip through the leading Nursery districts of Europe. Through him we added splendid lots of valuable Ornamentals and Fruit Trees to our collection and orders placed with us will enable our friends to participate in the results of Mr. Harrison's trip.

J. G. HARRISON & SONS

BERLIN, MARYLAND



THE NATIONAL NURSERYMAN



DECEMBER, 1908

Published Monthly at Rochester, N. Y., in Behalf of the Trade Interests of Nurserymen, Seedmen, and Plant Growers in General.

The Monroe Nursery

Established 1847.

OFFER A GENERAL LINE OF

Choice Nursery Stock

PEACH, STD. PEAR,
PLUM, CHERRY, Etc.

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.

EVERGREENS

OUR LEADING SPECIALTY

RHODODENDRONS, HEMLOCKS, WHITE
PINES, BOX BUSH. A general collection
of specimen ornamentals.

ALSO

NORWAY MAPLES, PIN OAKS, IBOTA
PRIVET, SPIRAEA VAN HOUTTEI
by the thousand.

Andorra Nurseries,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, PHILA., PA.

Buy Franquette Walnut Trees

Our Fran-
quette Wal-
nut trees pro-
duce the kind
of nuts you
saw and we
hope sampled
at the Detroit
Convention.



Our Fran-
quette Wal-
nut trees are
the famous
pure bred
Vrooman
strain of
which we are
the exclusive
growers. Send
for free book-
let about
same.

Address.

Oregon Nursery Co., SALEM,
ORE.

PLUMS

Americana Varieties on Native Roots

We make a specialty of this class of Stock and offer a
strong assortment of first-class trees at low prices. Send for
Surplus List.

Largest Stock of

Compass Cherry Plum

in the U. S. All on native plum roots.

Ash and Maple Seedlings in quantity

Red Currants, 2 year No. 1 stock

Box Elder, 1 1-4 inch (8 to 10 ft stock)

Elm, 1 1-4 inch (8 to 10 ft. stock)

Snowball, first-class, 2 to 3 and 3 to 4 ft.

Write for prices on these and other surplus items

The Jewell Nursery Co.

LAKE CITY

::

MINNESOTA

Maple Avenue Nurseries

We wish to call the attention of the Trade to our large stock of Ornamentals, especially:

American Ash, Catalpa Bungeii, English, Mossy-Cup, Pin, Red, Scarlet and White Oaks, Sweet Gum.

ORIENTAL PLANES,—one year from cuttings, fine, from one to three feet for planting in nursery rows.

A large assortment of Evergreens in all sizes. Our usual fine assortment of Shrubs.

Strong Everblooming Roses from four inch pots, our new Christine Wright, a beautiful pink climber.

NORTH CAROLINA NATURAL PEACH SEED
Send for samples and price

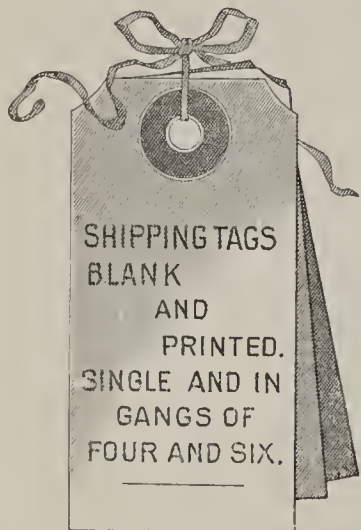
S E N D F O R T R A D E L I S T

Hoopes, Bro. & Thomas Company

WESTCHESTER, PENNA.

Philadelphia Office, 222-3-4-5 Stephen Girard Bldg., 21 South Twelfth St.

HAVE you seen and examined the quality of our waterproof rawhide shipping tags and tree labels? This stock is especially adapted to hard usage and outside use. "Once used, always used." Send for samples and prices. Our references are the largest Nurserymen in the United States.



The Denney Tag Co.

WEST CHESTER, PA.

WHOLESALE ONLY

Dis yere's Chase's space—where "dem One-Cent-ers" lived last month,—but they've "done moved out"—to Nova Scotia, Pasadena, Tampa—and all over. We had a pile of fun out of that Knife "Ad".

Now this month we want to sell you something GOOD. For instance, Shears—

Good Shears!!

We have received from France another shipment of **BEST FRENCH PRUNING SHEARS**, "watch spring" in two sizes. They make a sharp clean cut. The spring is quick and positive, but not strong enough to tire the operator. For all 'round nursery work they are the **BEST**—and cheapest in the end. The larger size (9 inch) are best for heaviest work, such as cutting seedlings back to the bud, etc.

PRICES:

8 inch, per pair, postpaid,	\$ 1.35
8 inch, per dozen pairs, by express, or freight,....	14.50
Weight per dozen pairs, 7 pounds.	
9 inch, pairs, postpaid,	1.70
9 inch, per dozen pairs, by express or freight,...	17.00
Weight, per dozen pairs, 11 pounds.	

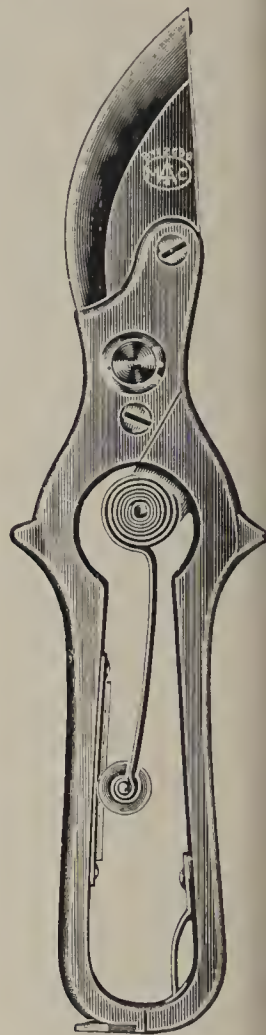
We carry in stock extra springs, both sizes; price each, 20 cents.

And we **GROW TREES**, and **ROSES**, and **SPIREA**, and **PRIVET** and **OTHER THINGS** to **SELL**. Please send your Want List.

CHASE NURSERY COMPANY,

Huntsville, Alabama

WHOLESALE ONLY



B. & A. SPECIALTIES.

BLUE SPRUCE, all sizes, 2 to 7 feet.
WEeping BLUE SPRUCE. This most wonderful weeping conifer is the most distinct weeping tree in existence. Ask price.
ROSES, Hybrid Perpetual and Hybrid Tea varieties.
CONIFERS and **EVERGREENS**, 150 varieties.
RHODODENDRONS, Hardy Hybrid and Maxima, 50 varieties.
EVERGREEN SHRUBS, 35 varieties.
FLOWERING SHRUBS, 350 varieties.
JAPANESE MAPLES, 25 varieties.
ORNAMENTAL DECIDUOUS SHADE TREES, 50 varieties.
WEeping and **STANDARD DECIDUOUS TREES**, 50 varieties.
HEDGE PLANTS, 25 kinds.
HARDY VINES and **CLIMBERS**, 75 varieties.
PLANTS and **TRAILING VINES**, 12 varieties.
SPRING and **SUMMER FLOWERING ROOTS** and **BULBS**, 250 varieties.
DECORATIVE and **FLOWERING PLANTS**, 50 varieties.
TRAINED and **OTHER FRUIT TREES**. We can supply in any quantity and in all varieties; Nectarines, Peaches, Plums, Apricots, Cherries, Pears, Apples, etc.
SMALL FRUITS, 75 varieties.
NEW and **RARE TREES**, **SHRUBS** and **EVERGREENS**, 35 varieties.
MISCELLANEOUS NEW and **RARE PLANTS** and **VINES**, 25 varieties.
HARDY HERBACEOUS PLANTS (Old Fashioned Flowers) 1,000 varieties.
NEW and **RARE CHOICE HARDY PERENNIALS**, 65 varieties.
ORNAMENTAL GRASSES, 30 varieties.
HARDY FERNS, 50 varieties.

ASK FOR WHOLESALE CATALOG

VISIT NURSERIES

BOBBINK & ATKINS,

NURSERYMEN AND FLORISTS,

RUTHERFORD, N. J.

ORNAMENTAL STOCKS

NURSERIES
420 ACRES

WE GROW

FRUIT TREE STOCKS—All Sizes.
300 varieties of Conifers, 1 to 4 years old.
1200 varieties of Ornamental Trees and Shrubs, 1 to 3 years old.
1600 varieties of New and Old Ornamental Trees & Shrubs in all Sizes.
250 varieties of Climbing Plants.
400 varieties of Conifers, 1 to 4 feet high.
400 varieties of Perennials.
800 varieties of New and Old Roses.

We Have No Agents.
Write direct to us and
ask for **WHOLESALE**
CATALOGUES

TRANSON BROS. & D. DAUVESSE'S NURSERIES,

16 Route d'Olivet

BARBIER and CO., Successors,

Orleans, France

The Commercial Nursery Co.
of WINCHESTER, TENN.

Offers a General Line of Nursery Stock.
Specially heavy on Peach Trees
—promise to be very fine
this season.

Can supply in car load lots. Write us
for prices and give us a trial, we
will try and please you.

COMMERCIAL NURSERY CO.
HARRY NICHOLSON, Mgr.

Victor Détriché

Angers, France

Wholesale Grower and Exporter of Fruit-Tree
Stocks, Forest-Tree Seedlings, Rose Stocks, Shrubs,
and Conifers for Nursery Planting.

Write for special price-list and catalogue.

CLARK NURSERY CO., Rochester, N.Y.

Sole Agents for the United States.

"YOU GET WHAT YOU ORDER."

PAN HANDLE NURSERIES,
GREENFIELD, IND.

Offer a complete general assortment of

NURSERY STOCK,

Large Stock of Fruit and Shade Trees,
Small Fruits, Roses, Ornamentals,
Forest Tree Seedlings, etc., etc.

Specialty:

DEALER'S COMPLETE LIST OF WANTS.

Packing and other facilities unexcelled.
Please allow us to price your want list.

J. K. HENBY & SON, Greenfield, Ind.

WOOD LABELS
FOR NURSEYMEN
AND FLORISTS

The Quality that Gives Satisfaction.

No orders too large for our capacity, or too small to receive our
careful attention.

Samples and Prices Cheerfully Given.

DAYTON FRUIT TREE LABEL CO.
SOUTH CANAL STREET, DAYTON, O.

We Grow a General **NURSERY STOCK**
Line of

Including

GRAPES AND ORNAMENTALS

T. V. MUNSON & SON,

Box 575

Denison, Texas

Send for announcement of our
GREAT GRAPE BOOK



When writing to Advertisers mention The National Nurseryman.



Harrison's

J. G. HARRISON & SONS, PROPS.

NURSERIES



BEST to buy from because they supply dependable stuff. For nearly a quarter-century they have been known as headquarters for *Nursery Stock of Quality*. Ever increasing demand for our trees and plants is responsible for the healthy growth of our Nurseries which now comprise over one thousand acres—all under cultivation, under our personal supervision. Not only has "Quality" been our first consideration, but we have also taken care to

ALWAYS HAVE ENOUGH OF THE BEST STOCK.

Some of the quantities on hand of trees and plants of the different kinds would be a revelation to many Nurserymen. Take *Peaches*, for instance. We have not less than 500,000 fine, healthy trees in 100 varieties. We have over 100,000 each of leading sorts, as Crawford Late and Elberta, while there are a score of other kinds of which we have between five thousand and twenty thousand splendid trees each.

In *Apples* we can make almost as good a showing. Nearly half a million thrifty, well-rooted trees in 50 varieties, are on hand. Among our leaders are Ben Davis, Grimes Golden, Stayman's Winesap, York Imperial, and Winesap of which we have nearly 50,000 each growing on our grounds. We believe that no better Apple trees than ours can be raised in America, because we have the soil—a loam with red clay subsoil—which is ideal for the production of strong, thrifty trees with those fibrous roots which are absolutely essential to successful transplanting.

In *Pears*, we make a specialty of Kieffer which we have studied closely for the past twenty years. Through constant experimenting we have raised the standard of this pear considerably and we believe that the strain which we now offer, is the very best that has been produced up to the present time. 40,000 fine one-year-old and an equal number of select two-year-old as well as five thousand three-year-old trees are now ready for immediate shipment.

Strawberries have been one of our hobbies from the start. There are about 40 of the very best kinds in our collection. Of most of these we have more than 100,000 strong, well-rooted plants. Gandy and Klondike we grow by the million and the fact that we can dispose of such quantities speaks for the quality of our plants.

ORNAMENTAL DEPARTMENT.

We sell each year thousands of Carolina Poplars, Silver and Norway Maple, Black Ash, American Elm, Catalpa, etc. After an extensive trip abroad of our Mr. Orlando Harrison, we are able to put at the disposal of our patrons a bigger and better line of ornamentals than ever before. A fine stock of Evergreens, especially Blue Spruces (*Picea pungens*), and a good assortment of Flowering Shrubs, Climbing Vines, Herbaceous Plants, etc., make buying at this Nursery attractive. We have a particularly fine lot of **CALIFORNIA PRIVET**. Many acres of these splendid hedge plants are grown on our farms in soil which produces a strong, fibrous root system which insures good results in transplanting.

We believe it will be to our mutual interest if you will let us figure on your requirements for the coming season. We shall endeavor to make attractive prices.

J. G. HARRISON & SONS, Berlin, Maryland



